

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2017 Levee Inspection Results

Reclamation District No. 0563 Tyler Island

| | Spring (March - May) | Summer ** (June - August) | Fall (September - November) | Winter ** (December - February) |
|----------------------------------|-------------------------|------------------------------|--------------------------------|------------------------------------|
| † Overall LMA Rating (Fall Only) | | | | |

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Reclamation District No. 0563 Tyler Island

| Waterway | | | Bank | Unit Miles |
|---|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | | | Left | 12.11 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | | |
| Date of Inspection | 3/14/2017 - 3/16/2017 | | | |
| DWR Inspector | Richard Willoughby | | | |
| Accompanied By | Steve Mello RD 563 | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---------------------------------------|----------------------------------|--------------|------------------------|------------|-----------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 58 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Operations & Maintenance Manuals | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_RD0563_01_s_2012_58 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| The LMA has a copy of the O&M Manual. | | | | | |

No Photos

| | | | | | |
|--|--------------------------------|--------------|------------------------|------------|------------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 101 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Emergency Supplies & Equipment | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_RD0563_01_s_2013_101 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| The LMA maintains an adequate stockpile of flood fight supplies. | | | | | |

No Photos

| | | | | | |
|--|-------------------------------|--------------|------------------------|------------|------------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 102 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Flood Preparedness & Training | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_RD0563_01_s_2013_102 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| The LMA has received flood fight training within the last two years. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.01 | Rating ** | M | Issue No. | 117 |
| LM End | 12.09 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.235170 ° | 38.130680 ° |
| | | | | -121.517418 ° | -121.577980 ° |
| DWR ID | DWR_RD0563_01_s_2017_117 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.01 | Rating ** | M | Issue No. | 118 |
| LM End | 12.09 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.235170 ° | 38.130680 ° |
| | | | | -121.517418 ° | -121.577980 ° |
| DWR ID | DWR_RD0563_01_s_2017_118 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.01 | Rating ** | M | Issue No. | 130 |
| LM End | 0.01 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.235059 ° | 38.235059 ° |
| | | | | -121.517480 ° | -121.517480 ° |
| DWR ID | DWR_RD0563_01_f_2016_130 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.02 | Rating ** | M | Issue No. | 771 |
| LM End | 0.02 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.234936 ° | 38.234936 ° |
| | | | | -121.517528 ° | -121.517528 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:14864 | | | | | |
| DS_ID:20199 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Indicator Found | | | | | |
| UCIP Comments: Need to determine disposition of pipe. Was it abandoned properly? | | | | | |
| FIELD_STRUCT_DESC: 10-inch pipe through levee unknown feet below crown. 36-inch concrete stand pipe at landward toe. Originally included in the 1954 O&M manual. (Unable to located pipe 6/11/2013). | | | | | |
| FS Date: 6/11/2013 | | | | | |

Photo 1 of 1 : UCIP_SP_2017_14864_24503.jpg



36-inch concrete standpipe on LS toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.10 | Rating ** | M | Issue No. | 59 |
| LM End | 0.10 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.234113 ° | 38.234113 ° |
| | | | | -121.518467 ° | -121.518467 ° |
| DWR ID | DWR_RD0563_01_s_2013_59 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Dead tree should be removed. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_59_20170313_00047.jpg



Looking north at untrimmed tree on landward slope.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.11 | Rating ** | M | Issue No. | 4 |
| LM End | 0.11 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.234018 ° | 38.234018 ° |
| | | | | -121.518547 ° | -121.518547 ° |
| DWR ID | DWR_RD0563_01_s_2012_4 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.12 | Rating ** | M | Issue No. | 28 |
| LM End | 0.14 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.233910 ° | 38.233655 ° |
| | | | | -121.518722 ° | -121.519000 ° |
| DWR ID | DWR_RD0563_01_s_2012_28 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_28_20170313_00024.jpg



Looking southeast at landscaping on landside slope and toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.15 | Rating ** | M | Issue No. | 10 |
| LM End | 0.15 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.233572 ° | 38.233572 ° |
| | | | | -121.519083 ° | -121.519083 ° |
| DWR ID | DWR_RD0563_01_f_2013_10 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| Tool shed and fire pit on landward slope and toe. | | | | | |

Photo 1 of 3 : SP_2017_RD0563_210_10_20170313_00009.jpg



Looking east at fire pit on landward slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.15 | Rating ** | M | Issue No. | 10 (cont) | |
| LM End | 0.15 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | Encroachments | | | 38.233572 ° | 38.233572 ° | |
| | | | | -121.519083 ° | -121.519083 ° | |
| DWR ID | DWR_RD0563_01_f_2013_10 | | | | | |
| Comment Code | | | | | | |
| BU : Building | | | | | | |
| Inspector Comment | | | | | | |
| Tool shed and fire pit on landward slope and toe. | | | | | | |

Photo 2 of 3 : SP_2017_RD0563_210_10_20170313_00010.jpg



Looking southeast at fire pit on landward slope.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.15 | Rating ** | M | Issue No. | 10 (cont) |
| LM End | 0.15 | Issue Type + | En | Location * | LS |

Photo 3 of 3 : SP_2017_RD0563_210_10_20170313_00011.jpg



Looking southeast at storage shed at landward toe.

| | | | | | |
|-------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.17 | Rating ** | M | Issue No. | 32 |
| LM End | 0.17 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.233315 ° | 38.233315 ° |
| | | | | -121.519360 ° | -121.519360 ° |
| DWR ID | DWR_RD0563_01_s_2012_32 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Tree fallen across waterward slope. | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_32_20170316_00235.jpg



Looking downstream at tree branch on waterward slope. (Spring 2017)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|-------------------------------------|-------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.17 | Rating ** | M | Issue No. | 32 (cont) | |
| LM End | 0.17 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | Encroachments | | | 38.233315 ° | 38.233315 ° | |
| | | | | -121.519360 ° | -121.519360 ° | |
| DWR ID | DWR_RD0563_01_s_2012_32 | | | | | |
| Comment Code | | | | | | |
| TR : Tree or limb | | | | | | |
| Inspector Comment | | | | | | |
| Tree fallen across waterward slope. | | | | | | |

Photo 2 of 2 : SP_2017_RD0563_210_32_20170313_00027.jpg



Looking downstream at fallen tree limb on waterside slope. (Spring 2016)

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.19 | Rating ** | M | Issue No. | 2 |
| LM End | 0.25 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.233126 ° | 38.232425 ° |
| | | | | -121.519525 ° | -121.520287 ° |
| DWR ID | DWR_RD0563_01_s_2012_2 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.20 | Rating ** | M | Issue No. | 772 |
| LM End | 0.20 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.233027 ° | 38.233027 ° |
| | | | | -121.519631 ° | -121.519631 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:14865 | | | | | |
| DS_ID:20129 | | | | | |
| EP_NO: 3448 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Indicator Found | | | | | |
| UCIP Comments: Sign on waterside slope should be cleared of vegetation. | | | | | |
| FIELD_STRUCT_DESC: 4.5-inch gas line through levee 4.0 feet below crown and across channel (Permit No. 3448, 1961). Large warning sign on WS slope. | | | | | |
| FS Date: 6/11/2013 | | | | | |

Photo 1 of 2 : UCIP_SP_2017_14865_24505.jpg



Gasline marker on LS shoulder.

Photo 2 of 2 : UCIP_SP_2017_14865_24504.jpg



Gasline warning sign covered in vegetation on WS slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 0.20 | Rating ** | M | Issue No. | 772 (cont) |
| LM End | 0.20 | Issue Type + | En | Location * | WS |

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.20 | Rating ** | C | Issue No. | 18 |
| LM End | 0.20 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.232967 ° | 38.232967 ° |
| | | | | -121.519727 ° | -121.519727 ° |
| DWR ID | DWR_RD0563_01_f_2014_18 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.29 | Rating ** | M | Issue No. | 168 |
| LM End | 0.29 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.231955 ° | 38.231955 ° |
| | | | | -121.520728 ° | -121.520728 ° |
| DWR ID | DWR_RD0563_01_f_2016_168 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_168_20170313_00139.jpg



Looking east at untrimmed tree on landward slope.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.33 | Rating ** | U | Issue No. | 135 |
| LM End | 0.33 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.231548 ° | 38.231548 ° |
| | | | | -121.521140 ° | -121.521140 ° |
| DWR ID | DWR_RD0563_01_f_2015_135 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Untrimmed tree on landward slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_135_20170313_00111.jpg



Looking southeast at untrimmed tree on landward slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.35 | Rating ** | C | Issue No. | 136 |
| LM End | 0.38 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.231317 ° | 38.230987 ° |
| | | | | -121.521378 ° | -121.521741 ° |
| DWR ID | DWR_RD0563_01_f_2015_136 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Dense willows on waterward slope within twenty foot zone. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.39 | Rating ** | M | Issue No. | 16 |
| LM End | 0.39 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.230841 ° | 38.230841 ° |
| | | | | -121.521898 ° | -121.521898 ° |
| DWR ID | DWR_RD0563_01_f_2013_16 | | | | |
| Comment Code | | | | | |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| Slope damage is due to fishermen vehicle traffic. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_16_20170313_00016.jpg



Looking southwest at slope damage caused by vehicle traffic.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.40 | Rating ** | U | Issue No. | 119 |
| LM End | 0.40 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.230750 ° | 38.230750 ° |
| | | | | -121.521997 ° | -121.521997 ° |
| DWR ID | DWR_RD0563_01_s_2017_119 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Large fallen tree pruning piles on waterward slope should be discard. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_119_20170316_00236.jpg



Looking south at pruning pile on waterward shoulder and slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.43 | Rating ** | M | Issue No. | 26 |
| LM End | 0.43 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.230460 ° | 38.230460 ° |
| | | | | -121.522324 ° | -121.522324 ° |
| DWR ID | DWR_RD0563_01_f_2013_26 | | | | |
| Comment Code | | | | | |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| Slope damage due to fishermen vehicle traffic. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_26_20170313_00022.jpg



Looking northwest at slope damage caused by vehicle traffic.

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.45 | Rating ** | M | Issue No. | 773 |
| LM End | 0.45 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.230185 ° | 38.230185 ° |
| | | | | -121.522631 ° | -121.522631 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:14866 DS_ID:20130 EP_NO: 11218 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe leaking at various points on WS berm. Failure on berm may indicate potential for failure within the levee. Good candidate for video inspection. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee 5.0 feet below the crown. Walkway to pump on pile structure in stream. Siphon breaker in a 24-inch CMP riser on the waterward shoulder. 1" air and vacuum valve and a 15' tall by 36" diameter concrete standpipe at the LS toe (ABO No. 11218, 1975). Originally included in the 1954 O&M manual. FS Date: 6/11/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_14866_24508.jpg



JP on LS slope with 36-inch concrete standpip on LS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 0.45 | Rating ** | M | Issue No. | 773 (cont) | |
| LM End | 0.45 | Issue Type + | En | Location * | WS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.230185 ° | | 38.230185 ° |
| | | | | -121.522631 ° | | -121.522631 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:14866 DS_ID:20130 EP_NO: 11218 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe leaking at various points on WS berm. Failure on berm may indicate potential for failure within the levee. Good candidate for video inspection. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee 5.0 feet below the crown. Walkway to pump on pile structure in stream. Siphon breaker in a 24-inch CMP riser on the waterward shoulder. 1" air and vacuum valve and a 15' tall by 36" diameter concrete standpipe at the LS toe (ABO No. 11218, 1975). Originally included in the 1954 O&M manual. FS Date: 6/11/2013 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 0.45 | Rating ** | M | Issue No. | 773 (cont) |
| LM End | 0.45 | Issue Type + | En | Location * | WS |

Photo 2 of 3 : UCIP_SP_2017_14866_24507.jpg



Siphon breaker not visible in 24-inch CMP riser on WS shoulder.

Photo 3 of 3 : UCIP_SP_2017_14866_24506.jpg



Leak in pipe on WS berm.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.49 | Rating ** | A/W | Issue No. | 138 |
| LM End | 0.65 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.229787 ° | 38.228094 ° |
| | | | | -121.523001 ° | -121.525188 ° |
| DWR ID | DWR_RD0563_01_f_2015_138 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Dense johnson grasses on landward slope. | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_138_20170313_00113.jpg



Looking west at dense veg on landward slope.

| | | | | | |
|----------|-------------|--------------|-----|------------|-------------------|
| LM Start | 0.49 | Rating ** | A/W | Issue No. | 138 (cont) |
| LM End | 0.65 | Issue Type + | Ma | Location * | LS |

Photo 2 of 2 : SP_2017_RD0563_210_138_20170313_00114.jpg



Looking east at dense veg on landward slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.56 | Rating ** | M | Issue No. | 34 |
| LM End | 0.56 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.228948 ° | 38.228948 ° |
| | | | | -121.523904 ° | -121.523904 ° |
| DWR ID | DWR_RD0563_01_f_2013_34 | | | | |
| Comment Code | | | | | |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| Slope damage is due to fishermen vehicle traffic. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_34_20170313_00029.jpg



Looking northwest at slope damage caused by vehicle traffic.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.60 | Rating ** | C | Issue No. | 139 |
| LM End | 0.60 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.228605 ° | 38.228605 ° |
| | | | | -121.524364 ° | -121.524364 ° |
| DWR ID | DWR_RD0563_01_f_2015_139 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.61 | Rating ** | M | Issue No. | 143 |
| LM End | 0.61 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.228507 ° | 38.228507 ° |
| | | | | -121.524543 ° | -121.524543 ° |
| DWR ID | DWR_RD0563_01_f_2014_143 | | | | |
| Comment Code | | | | | |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| Slope damage due to vehicle traffic. | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_143_20170313_00127.jpg



Looking southeast at slope damage on waterward slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 0.61 | Rating ** | M | Issue No. | 143 (cont) |
| LM End | 0.61 | Issue Type + | Ma | Location * | WS |

Photo 2 of 2 : SP_2017_RD0563_210_143_20170313_00128.jpg



Looking northwest at slope damage on waterward slope.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.62 | Rating ** | C | Issue No. | 169 |
| LM End | 0.64 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.228372 ° | 38.228209 ° |
| | | | | -121.524709 ° | -121.524982 ° |
| DWR ID | DWR_RD0563_01_f_2016_169 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.72 | Rating ** | M | Issue No. | 774 |
| LM End | 0.72 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.227328 ° | 38.227328 ° |
| | | | | -121.525872 ° | -121.525872 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:51627 DS_ID:25486 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/20/2017 Slight depression above pipe near landside shoulder as per DWR inspector Richard Willoughby, as noted during his Spring 2017 inspection. (K. Fazel - UCIP) FIELD_STRUCT_DESC: 6-inch externally-coated steel irrigation pipe, 3 or 4 feet below the crown. Pipe is likely a replacement for the 12-inch at this location under DSID 20131. Pipe is not permitted and found by DWR inspector Richard Willoughby during Spring 2017 inspection. FS Date: 4/20/2017 | | | | | |

Photo 1 of 1 : UCIP_SP_2017_51627_76994.jpg



View of newly installed steel pipe and depression above it. Photo courtesy of Richard Willoughby.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.72 | Rating ** | C | Issue No. | 754 |
| LM End | 0.79 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.227287 ° | 38.226376 ° |
| | | | | -121.525832 ° | -121.525908 ° |
| DWR ID | DWR_RD0563_01_s_2015_754 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.73 | Rating ** | U | Issue No. | 775 |
| LM End | 0.73 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.227262 ° | 38.227262 ° |
| | | | | -121.525844 ° | -121.525844 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:51626 DS_ID:20131 EP_NO: 11203 Repair Type: Urgent Crossing Status: Found UCIP Comments: 12/02/2016 Same as last inspection signs of leak are still present on both LS and WS. Recommend internal inspection of the pipe integrity though the levee to determine cause of depression on levee (either leak or poor compaction). Pipe debris previous noted on WS has been removed. (O. Magana - DWR UCIP)06/11/2013 Signs of leak in pipe at levee slope on both LS and WS where pipe enters levee. Moist soil at LS toe indicates possible internal leak. Evidence of recent pipe repair on WS. Pipe debris on WS toe should be removed. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: ** 12-inch steel irrigation pipe through the levee, 5 feet below the crown. Slant pump located on the waterside (WS). Siphon breaker and switch box also located on the WS slope. Service pole is located on the landside (LS) slope. (12-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 11203, 1971 - Delta Farmers, Inc.) This crossing has been replaced with 6-inch under DSID 25486, as reported by DWR inspector Richard Willoughby during his Spring 2017 inspection. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 103, June 1954 (HLM 0.73)] FS Date: 12/2/2016 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_51626_76821.jpg



View of LS slope.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.73 | Rating ** | U | Issue No. | 775 (cont) |
| LM End | 0.73 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.227262 ° | 38.227262 ° |
| | | | | -121.525844 ° | -121.525844 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:51626
DS_ID:20131
EP_NO: 11203
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 12/02/2016 Same as last inspection signs of leak are still present on both LS and WS. Recommend internal inspection of the pipe integrity though the levee to determine cause of depression on levee (either leak or poor compaction). Pipe debris previous noted on WS has been removed. (O. Magana - DWR UCIP)06/11/2013 Signs of leak in pipe at levee slope on both LS and WS where pipe enters levee. Moist soil at LS toe indicates possible internal leak. Evidence of recent pipe repair on WS. Pipe debris on WS toe should be removed. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: ** 12-inch steel irrigation pipe through the levee, 5 feet below the crown. Slant pump located on the waterside (WS). Siphon breaker and switch box also located on the WS slope. Service pole is located on the landside (LS) slope. (12-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 11203, 1971 - Delta Farmers, Inc.) This crossing has been replaced with 6-inch under DSID 25486, as reported by DWR inspector Richard Willoughby during his Spring 2017 inspection. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 103, June 1954 (HLM 0.73)]
FS Date: 12/2/2016

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 0.73 | Rating ** | U | Issue No. | 775 (cont) |
| LM End | 0.73 | Issue Type + | En | Location * | LS |

Photo 2 of 3 : UCIP_SP_2017_51626_76820.jpg



Minor leaks visible on concrete standpipe.

Photo 3 of 3 : UCIP_SP_2017_51626_76826.jpg



Subsidence visible on LS shoulder.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.73 | Rating ** | U | Issue No. | 3 |
| LM End | 0.79 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.227169 ° | 38.226370 ° |
| | | | | -121.525892 ° | -121.525912 ° |
| DWR ID | DWR_RD0563_01_s_2012_3 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Dense veg on waterward slope. | | | | | |

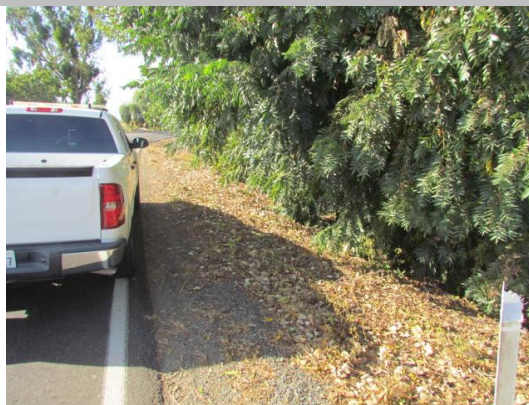
| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 0.73 | Rating ** | U | Issue No. | 3 (cont) |
| LM End | 0.79 | Issue Type + | Ma | Location * | WS |

Photo 1 of 2 : SP_2017_RD0563_210_3_20170313_00001.jpg



Looking east at untrimmed trees on waterward slope. (Fall 2016)

Photo 2 of 2 : SP_2017_RD0563_210_3_20170313_00002.jpg



Looking east at untrimmed trees on waterward slope and toe. (Spring 2016)

| | | | | | |
|---------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.87 | Rating ** | M | Issue No. | 120 |
| LM End | 0.87 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.225488 ° | 38.225488 ° |
| | | | | -121.526838 ° | -121.526838 ° |
| DWR ID | DWR_RD0563_01_s_2017_120 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Fallen tree on waterward slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_120_20170316_00237.jpg



Looking southwest at fallen tree on waterward slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

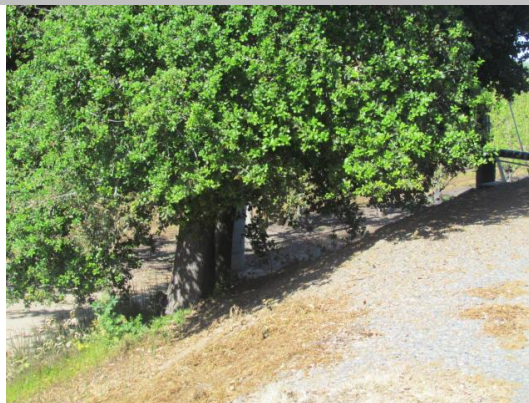
Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.92 | Rating ** | U | Issue No. | 755 |
| LM End | 0.92 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.225549 ° | 38.225549 ° |
| | | | | -121.527658 ° | -121.527658 ° |
| DWR ID | DWR_RD0563_01_s_2015_755 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_755_20170313_00144.jpg



Looking southeast at untrimmed tree on landward slope.

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.93 | Rating ** | M | Issue No. | 776 |
| LM End | 0.93 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.225595 ° | 38.225595 ° |
| | | | | -121.527813 ° | -121.527813 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:14870 | | | | | |
| DS_ID:20132 | | | | | |
| EP_NO: 11210 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: Pipe does not have sufficient cover at crown. | | | | | |
| FIELD_STRUCT_DESC: 1 of 2: 6-inch pipe through the levee 3-inches below the crown. Pump and gate valve in pump house on waterward slope. Service pole on landward slope. (ABO No. 11210, 1971). 1-inch PVC electrical conduit through levee at same location. Originally included in 1954 O&M manual. | | | | | |
| FS Date: 6/11/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_14870_24517.jpg



6-inch pipe and concrete standpipe on LS. Electrical conduit runs parallel to pipe to pump house on WS.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.93 | Rating ** | M | Issue No. | 776 (cont) | |
| LM End | 0.93 | Issue Type + | En | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.225595 ° | 38.225595 ° | |
| | | | | -121.527813 ° | -121.527813 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:14870 | | | | | | |
| DS_ID:20132 | | | | | | |
| EP_NO: 11210 | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Pipe does not have sufficient cover at crown. | | | | | | |
| FIELD_STRUCT_DESC: 1 of 2: 6-inch pipe through the levee 3-inches below the crown. Pump and gate valve in pump house on waterward slope. Service pole on landward slope. (ABO No. 11210, 1971). 1-inch PVC electrical conduit through levee at same location. Originally included in 1954 O&M manual. | | | | | | |
| FS Date: 6/11/2013 | | | | | | |

Photo 2 of 3 : UCIP_SP_2017_14870_24516.jpg



Pumphouse on WS shoulder.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 0.93 | Rating ** | M | Issue No. | 776 (cont) |
| LM End | 0.93 | Issue Type + | En | Location * | LS |

Photo 3 of 3 : UCIP_SP_2017_14870_24515.jpg



Butterfly valve, vent and pump in pumphouse on WS shoulder.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.95 | Rating ** | U | Issue No. | 121 |
| LM End | 0.95 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.225808 ° | 38.225808 ° |
| | | | | -121.528197 ° | -121.528197 ° |
| DWR ID | DWR_RD0563_01_s_2017_121 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several large rodent holes on landward slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_121_20170316_00238.jpg



Looking at typical rodent hole within this reach.

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.96 | Rating ** | M | Issue No. | 777 |
| LM End | 0.96 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.225830 ° | 38.225830 ° |
| | | | | -121.528201 ° | -121.528201 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:51448 DS_ID:20133 EP_NO: 11210 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/02/2016 According to LMA representative, Darcy Neuderk, this crossing was installed in 1952 by the USACE and intended to be use for irrigation purposes. However, this crossing has never been used per LMA's knowledge. Crossing has been downgraded from "Urgent" to "Non-Urgent", the flap gate on the WS is functional and prevents any potential flood water from draining to LS. Recommend contacting property owner and working with the CVFPB to address abandoned crossing. (O. Magana - DWR UCIP)06/11/2013 Flap gate rusted in closed position. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 8-inch steel pipe through the levee, 3 feet below the crown. Flap gate located on the waterside (WS). Pipe opened on the landside (LS). (8-inch pipe [HLM 0.97] authorized under Automatic Board Order (ABO) issued as Permit No. 11210, 1971 - Hason). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 12/2/2016 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_51448_76827.jpg



View of levee crown at pipe crossing.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.96 | Rating ** | M | Issue No. | 777 (cont) | |
| LM End | 0.96 | Issue Type + | En | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.225830 ° | 38.225830 ° | |
| | | | | -121.528201 ° | -121.528201 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:51448 DS_ID:20133 EP_NO: 11210 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/02/2016 According to LMA representative, Darcy Neuderk, this crossing was installed in 1952 by the USACE and intended to be use for irrigation purposes. However, this crossing has never been used per LMA's knowledge. Crossing has been downgraded from "Urgent" to "Non-Urgent", the flap gate on the WS is functional and prevents any potential flood water from draining to LS. Recommend contacting property owner and working with the CVFPB to address abandoned crossing. (O. Magana - DWR UCIP)06/11/2013 Flap gate rusted in closed position. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 8-inch steel pipe through the levee, 3 feet below the crown. Flap gate located on the waterside (WS). Pipe opened on the landside (LS). (8-inch pipe [HLM 0.97] authorized under Automatic Board Order (ABO) issued as Permit No. 11210, 1971 - Hason). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 12/2/2016 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 0.96 | Rating ** | M | Issue No. | 777 (cont) |
| LM End | 0.96 | Issue Type + | En | Location * | LS |

Photo 2 of 3 : UCIP_SP_2017_51448_76828.jpg



Pipe with flap visible on WS.

Photo 3 of 3 : UCIP_SP_2017_51448_24524.jpg



Pipe and flapgate on WS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.98 | Rating ** | U | Issue No. | 756 |
| LM End | 0.98 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.226011 ° | 38.226011 ° |
| | | | | -121.528524 ° | -121.528524 ° |
| DWR ID | DWR_RD0563_01_s_2015_756 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_756_20170313_00145.jpg



Looking southeast at untrimmed tree on landward slope.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.99 | Rating ** | M | Issue No. | 147 |
| LM End | 0.99 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.226138 ° | 38.226138 ° |
| | | | | -121.528745 ° | -121.528745 ° |
| DWR ID | DWR_RD0563_01_f_2014_147 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.99 | Rating ** | M | Issue No. | 132 |
| LM End | 0.99 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.226149 ° | 38.226149 ° |
| | | | | -121.528789 ° | -121.528789 ° |
| DWR ID | DWR_RD0563_01_s_2016_132 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Small trees on landward shoulder be removed. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_132_20170313_00109.jpg



Looking southeast at several small trees at landward toe.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.01 | Rating ** | M | Issue No. | 757 |
| LM End | 1.01 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.226294 ° | 38.226294 ° |
| | | | | -121.529055 ° | -121.529055 ° |
| DWR ID | DWR_RD0563_01_s_2015_757 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_757_20170313_00146.jpg



Looking at untrimmed trees on landward slope.

| | | | | | |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.02 | Rating ** | M | Issue No. | 48 |
| LM End | 1.11 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.226522 ° | 38.227157 ° |
| | | | | -121.529094 ° | -121.530432 ° |
| DWR ID | DWR_RD0563_01_s_2016_48 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2011 - Short sections of eroding bank at the waterline and holes in toe of levee. 2012 - Site extended upstream. 2013 - Erosion pockets filled with an insufficient amounts of revetment. 2015: Last observed in 2013. [2015 Site ID: GEO_11-0_L] | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_48_20170313_00041.jpg



USACE 2013 Photo #1

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.09 | Rating ** | M | Issue No. | 758 |
| LM End | 1.11 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.226892 ° | 38.227053 ° |
| | | | | -121.530234 ° | -121.530632 ° |
| DWR ID | DWR_RD0563_01_s_2015_758 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.15 | Rating ** | U | Issue No. | 153 |
| LM End | 1.15 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.226910 ° | 38.226910 ° |
| | | | | -121.531294 ° | -121.531294 ° |
| DWR ID | DWR_RD0563_01_f_2015_153 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several large to medium rodent holes noted. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_153_20170313_00134.jpg



Looking at typical view of several rodent holes on landward slope.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.17 | Rating ** | U | Issue No. | 140 |
| LM End | 1.17 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.226760 ° | 38.226760 ° |
| | | | | -121.531683 ° | -121.531683 ° |
| DWR ID | DWR_RD0563_01_s_2014_140 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Untrimmed tree blocking view of landward slope and toe. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_140_20170313_00120.jpg



Looking southeast at untrimmed tree at landward toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.18 | Rating ** | M | Issue No. | 122 |
| LM End | 1.18 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.226737 ° | 38.226737 ° |
| | | | | -121.531747 ° | -121.531747 ° |
| DWR ID | DWR_RD0563_01_s_2017_122 | | | | |
| Comment Code | | | | | |
| GA : Garbage | | | | | |
| Inspector Comment | | | | | |
| Landowner storing wine barrels and prunings on waterward slope. | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_122_20170316_00239.jpg



Looking west at wine barrels and prunings on waterward shoulder and slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|---|--------------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 1.18 | Rating ** | M | Issue No. | 122 (cont) | |
| LM End | 1.18 | Issue Type + | En | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.226737 ° | | 38.226737 ° |
| | | | | -121.531747 ° | | -121.531747 ° |
| DWR ID | DWR_RD0563_01_s_2017_122 | | | | | |
| Comment Code | | | | | | |
| GA : Garbage | | | | | | |
| Inspector Comment | | | | | | |
| Landowner storing wine barrels and prunings on waterward slope. | | | | | | |

Photo 2 of 2 : SP_2017_RD0563_210_122_20170316_00240.jpg



| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.21 | Rating ** | M | Issue No. | 134 |
| LM End | 1.21 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.226462 ° | 38.226462 ° |
| | | | | -121.532172 ° | -121.532172 ° |
| DWR ID | DWR_RD0563_01_s_2016_134 | | | | |
| Comment Code | | | | | |
| FW : Firewood | | | | | |
| Inspector Comment | | | | | |
| Landowner stock piling firewood and other garbage at landward toe. | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_134_20170316_00241.jpg



Looking east at firewood and empty containers on landward slope.
(Spring 2017)

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 1.21 | Rating ** | M | Issue No. | 134 (cont) |
| LM End | 1.21 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : SP_2017_RD0563_210_134_20170313_00110.jpg



Looking southeast at firewood at landward toe. (Spring 2016)

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.22 | Rating ** | M | Issue No. | 5 |
| LM End | 1.22 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.226326 ° | 38.226326 ° |
| | | | | -121.532298 ° | -121.532298 ° |
| DWR ID | DWR_RD0563_01_s_2012_5 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_5_20170313_00003.jpg



Looking south at untrimmed trees on landward slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.22 | Rating ** | M | Issue No. | 57 |
| LM End | 1.22 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.226345 ° | 38.226345 ° |
| | | | | -121.532332 ° | -121.532332 ° |
| DWR ID | DWR_RD0563_01_s_2012_57 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| Landowner is stacking firewood and other items on landside slope and toe. | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_57_20170313_00045.jpg



Looking east at firewood and other materials stored on landside slope and toe.

| | | | | | |
|----------|------|--------------|----|------------|-----------|
| LM Start | 1.22 | Rating ** | M | Issue No. | 57 (cont) |
| LM End | 1.22 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : SP_2017_RD0563_210_57_20170313_00046.jpg



Looking at a shed at landside toe.

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.22 | Rating ** | M | Issue No. | 170 |
| LM End | 1.25 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.226316 ° | 38.226021 ° |
| | | | | -121.532342 ° | -121.532591 ° |
| DWR ID | DWR_RD0563_01_f_2016_170 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove cactus on landward slope. | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_170_20170313_00141.jpg



| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 1.22 | Rating ** | M | Issue No. | 170 (cont) |
| LM End | 1.25 | Issue Type + | Ma | Location * | LS |

Photo 2 of 2 : SP_2017_RD0563_210_170_20170313_00142.jpg



Looking southeast at cactus on landward slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.27 | Rating ** | M | Issue No. | 64 |
| LM End | 1.27 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.225730 ° | 38.225730 ° |
| | | | | -121.532824 ° | -121.532824 ° |
| DWR ID | DWR_RD0563_01_f_2012_64 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Trees located at landside toe. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_64_20170313_00050.jpg



Looking southeast at fruit trees on landside toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

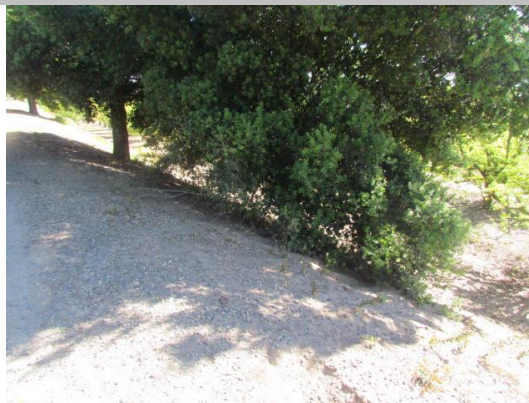
Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.32 | Rating ** | U | Issue No. | 79 |
| LM End | 1.32 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.225177 ° | 38.225177 ° |
| | | | | -121.533285 ° | -121.533285 ° |
| DWR ID | DWR_RD0563_01_f_2013_79 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_79_20170313_00077.jpg



Looking northeast at untrimmed trees on landward slope and toe.

| | | | | | |
|--------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.35 | Rating ** | M | Issue No. | 150 |
| LM End | 1.35 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.224817 ° | 38.224817 ° |
| | | | | -121.533602 ° | -121.533602 ° |
| DWR ID | DWR_RD0563_01_s_2016_150 | | | | |
| Comment Code | | | | | |
| RA : Ramp | | | | | |
| Inspector Comment | | | | | |
| Unauthorized ramp on landward slope. | | | | | |

Photo 1 of 3 : SP_2017_RD0563_210_150_20170313_00130.jpg



Looking southeast at ramp on landward slope.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 1.35 | Rating ** | M | Issue No. | 150 (cont) |
| LM End | 1.35 | Issue Type + | En | Location * | LS |

Photo 2 of 3 : SP_2017_RD0563_210_150_20170313_00131.jpg



| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--------------------------------------|--------------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 1.35 | Rating ** | M | Issue No. | 150 (cont) | |
| LM End | 1.35 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.224817 ° | | 38.224817 ° |
| | | | | -121.533602 ° | | -121.533602 ° |
| DWR ID | DWR_RD0563_01_s_2016_150 | | | | | |
| Comment Code | | | | | | |
| RA : Ramp | | | | | | |
| Inspector Comment | | | | | | |
| Unauthorized ramp on landward slope. | | | | | | |

Photo 3 of 3 : SP_2017_RD0563_210_150_20170313_00132.jpg



| | | | | | |
|------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.39 | Rating ** | C | Issue No. | 19 |
| LM End | 1.39 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.224367 ° | 38.224367 ° |
| | | | | -121.534165 ° | -121.534165 ° |
| DWR ID | DWR_RD0563_01_s_2012_19 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Broken tree along waterside slope. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.39 | Rating ** | U | Issue No. | 86 |
| LM End | 1.39 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.224351 ° | 38.224351 ° |
| | | | | -121.534209 ° | -121.534209 ° |
| DWR ID | DWR_RD0563_01_f_2013_86 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Landowner has fruit trees and other vegetation on landward slope and toe. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_86_20170313_00085.jpg



Looking southwest at fruit trees and other plantings at landward toe.

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.40 | Rating ** | U | Issue No. | 8 |
| LM End | 1.40 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.224315 ° | 38.224315 ° |
| | | | | -121.534288 ° | -121.534288 ° |
| DWR ID | DWR_RD0563_01_s_2012_8 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| Tool shed, animal storage container, and landscaping on waterside slope and toe. | | | | | |

Photo 1 of 3 : SP_2017_RD0563_210_8_20170313_00006.jpg



Looking east at landscaping and animal containers on the landside slope and toe.

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 1.40 | Rating ** | U | Issue No. | 8 (cont) |
| LM End | 1.40 | Issue Type + | En | Location * | LS |

Photo 2 of 3 : SP_2017_RD0563_210_8_20170313_00007.jpg



Looking northeast at a tool shed on the landward toe.

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 1.40 | Rating ** | U | Issue No. | 8 (cont) |
| LM End | 1.40 | Issue Type + | En | Location * | LS |

Photo 3 of 3 : SP_2017_RD0563_210_8_20170313_00008.jpg



Looking southeast at a tool shed at the landside toe.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.40 | Rating ** | M | Issue No. | 778 |
| LM End | 1.40 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.224302 ° | 38.224302 ° |
| | | | | -121.534287 ° | -121.534287 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:14873
DS_ID:20134
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pipe open on LS and should be removed.
FIELD_STRUCT_DESC: *ABANDONED* 2-inch pipe through levee 2.0 feet below the crown.
FS Date: 6/11/2013

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 1.40 | Rating ** | M | Issue No. | 778 (cont) |
| LM End | 1.40 | Issue Type + | En | Location * | LS |

Photo 1 of 2 : UCIP_SP_2017_14873_24527.jpg



Pipe visible on LS slope at JP.

Photo 2 of 2 : UCIP_SP_2017_14873_24526.jpg



Pipe goes to pumphouse on WS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.40 | Rating ** | C | Issue No. | 6 |
| LM End | 1.44 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.224280 ° | 38.224000 ° |
| | | | | -121.534377 ° | -121.535038 ° |
| DWR ID | DWR_RD0563_01_s_2012_6 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Century plant is dead but should be monitored to ensure no future growth. | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.42 | Rating ** | M | Issue No. | 759 |
| LM End | 1.42 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.224150 ° | 38.224150 ° |
| | | | | -121.534565 ° | -121.534565 ° |
| DWR ID | DWR_RD0563_01_s_2015_759 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_759_20170313_00147.jpg



Looking northwest at untrimmed trees on waterward slope and toe.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.43 | Rating ** | C | Issue No. | 156 |
| LM End | 1.52 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.224069 ° | 38.223628 ° |
| | | | | -121.534836 ° | -121.536419 ° |
| DWR ID | DWR_RD0563_01_f_2015_156 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Willows on waterward slope within twenty foot zone. | | | | | |

No Photos

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.48 | Rating ** | U | Issue No. | 760 |
| LM End | 1.48 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.223835 ° | 38.223835 ° |
| | | | | -121.535605 ° | -121.535605 ° |
| DWR ID | DWR_RD0563_01_s_2015_760 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_760_20170313_00148.jpg



Looking upstream at untrimmed tree on waterward slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.59 | Rating ** | M | Issue No. | 56 |
| LM End | 1.62 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.223332 ° | 38.223247 ° |
| | | | | -121.537635 ° | -121.538095 ° |
| DWR ID | DWR_RD0563_01_s_2012_56 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.69 | Rating ** | M | Issue No. | 123 |
| LM End | 1.69 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.223110 ° | 38.223110 ° |
| | | | | -121.539495 ° | -121.539495 ° |
| DWR ID | DWR_RD0563_01_s_2017_123 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Fallen tree on waterward slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_123_20170316_00242.jpg



Looking south at fallen tree on waterward slope.

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.73 | Rating ** | C | Issue No. | 83 |
| LM End | 1.73 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.222967 ° | 38.222967 ° |
| | | | | -121.540055 ° | -121.540055 ° |
| DWR ID | DWR_RD0563_01_s_2012_83 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.82 | Rating ** | U | Issue No. | 161 |
| LM End | 1.82 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.222768 ° | 38.222768 ° |
| | | | | -121.541837 ° | -121.541837 ° |
| DWR ID | DWR_RD0563_01_s_2016_161 | | | | |
| Comment Code | | | | | |
| FW : Firewood | | | | | |
| Inspector Comment | | | | | |
| Landowner stocking firewood at landward toe. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_161_20170313_00136.jpg



Looking north at fireward at landward toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.86 | Rating ** | M | Issue No. | 142 |
| LM End | 1.87 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.222743 ° | 38.222720 ° |
| | | | | -121.542523 ° | -121.542741 ° |
| DWR ID | DWR_RD0563_01_s_2014_142 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Landowner has planted oleander on waterward shoulder. | | | | | |

Photo 1 of 4 : SP_2017_RD0563_210_142_20170313_00123.jpg



Looking southwest at oleanders on landward shoulder.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|---|--------------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 1.86 | Rating ** | M | Issue No. | 142 (cont) | |
| LM End | 1.87 | Issue Type + | En | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.222743 ° | | 38.222720 ° |
| | | | | -121.542523 ° | | -121.542741 ° |
| DWR ID | DWR_RD0563_01_s_2014_142 | | | | | |
| Comment Code | | | | | | |
| V6 : Landscaping | | | | | | |
| Inspector Comment | | | | | | |
| Landowner has planted oleander on waterward shoulder. | | | | | | |

Photo 2 of 4 : SP_2017_RD0563_210_142_20170313_00124.jpg



Looking north at oleanders on landward shoulder.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 1.86 | Rating ** | M | Issue No. | 142 (cont) |
| LM End | 1.87 | Issue Type + | En | Location * | WS |

Photo 3 of 4 : SP_2017_RD0563_210_142_20170313_00125.jpg



Looking southeast at planting box on waterward shoulder.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 1.86 | Rating ** | M | Issue No. | 142 (cont) |
| LM End | 1.87 | Issue Type + | En | Location * | WS |

Photo 4 of 4 : SP_2017_RD0563_210_142_20170313_00126.jpg



Looking southwest at oleanders on waterward shoulder.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.86 | Rating ** | M | Issue No. | 761 |
| LM End | 1.86 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.222718 ° | 38.222718 ° |
| | | | | -121.542563 ° | -121.542563 ° |
| DWR ID | DWR_RD0563_01_s_2015_761 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.92 | Rating ** | U | Issue No. | 96 |
| LM End | 1.92 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.222299 ° | 38.222299 ° |
| | | | | -121.543366 ° | -121.543366 ° |
| DWR ID | DWR_RD0563_01_f_2013_96 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Pruning pile at landward toe. Landowner has burned pile, but pile is still within right away. | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_96_20170316_00243.jpg



Looking downstream at prunings on landward slope. (Spring 2017)

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.92 | Rating ** | U | Issue No. | 96 (cont) |
| LM End | 1.92 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : SP_2017_RD0563_210_96_20170313_00097.jpg



Looking downstream at prunings on landward slope. (Spring 2016)

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.94 | Rating ** | M | Issue No. | 157 |
| LM End | 1.94 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.222080 ° | 38.222080 ° |
| | | | | -121.543445 ° | -121.543445 ° |
| DWR ID | DWR_RD0563_01_f_2015_157 | | | | |
| Comment Code | | | | | |
| GA : Garbage | | | | | |
| Inspector Comment | | | | | |
| Landowner stockpiling garbage at landward toe. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_157_20170313_00135.jpg



Looking at garage pile at landward toe.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.95 | Rating ** | M | Issue No. | 71 |
| LM End | 1.95 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.221826 ° | 38.221826 ° |
| | | | | -121.543467 ° | -121.543467 ° |
| DWR ID | DWR_RD0563_01_f_2012_71 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| Erosion around irrigation pump house and pipe on landside slope. | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_71_20170313_00055.jpg



Looking west at erosion at landside toe and slope next to pump house.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.95 | Rating ** | M | Issue No. | 71 (cont) |
| LM End | 1.95 | Issue Type + | Ma | Location * | LS |

Photo 2 of 2 : SP_2017_RD0563_210_71_20170313_00056.jpg



Looking southwest at erosion around irrigation pipe on landside slope and toe.

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.96 | Rating ** | M | Issue No. | 779 |
| LM End | 1.96 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.221785 ° | 38.221785 ° |
| | | | | -121.543474 ° | -121.543474 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:51449
DS_ID:20136
EP_NO: 11204
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 12/02/2016 same as last inspection. Crossing has been downgraded from "Urgent" to "Non-Urgent" no signs of leaks were visible from the surface. Owner will need to coordinate with the CVFPB to comply with Title 23 regarding the sleeved pipe and the non-annular space between the larger and smaller pipe. (O. Magana - DWR UCIP)06/11/2013 Annular space not grouted between 8-inch and 10-inch pipe and the metal walkway is structurally failing. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe sleeved through a 10-inch pipe (12-inch referenced in permit recordation) through the levee, 4 feet below the crown. 1.5-inch electrical conduit through levee at same location. Pump located on pile structure located on the waterside (WS). Timber walkway to pump is located on the WS. Service pole is located on the landside (LS) slope. Siphon breaker on WS slope (12-inch pipe owner name change issued under Permit No. 11204-1, 2015 - J. Morris; 12-inch pipe authorized [HLM 1.99] under Automatic Board Order (ABO) issued as Permit No. 11204, 1971 - R. H. Elliott). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 103, June 1954, (Station XX+XX)--unable to correlate crossing with O&M Manual].
FS Date: 12/2/2016

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 1.96 | Rating ** | M | Issue No. | 779 (cont) |
| LM End | 1.96 | Issue Type + | En | Location * | LS |

Photo 1 of 3 : UCIP_SP_2017_51449_24537.jpg



Pump on pile structure with walkway structurally failing. WS berm.

Photo 2 of 3 : UCIP_SP_2017_51449_24536.jpg



Siphon breaker and 1.5-inch galvanized iron electrical conduit.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.96 | Rating ** | M | Issue No. | 779 (cont) |
| LM End | 1.96 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.221785 ° | 38.221785 ° |
| | | | | -121.543474 ° | -121.543474 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:51449 DS_ID:20136 EP_NO: 11204 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/02/2016 same as last inspection. Crossing has been downgraded from "Urgent" to "Non-Urgent" no signs of leaks were visible from the surface. Owner will need to coordinate with the CVFPB to comply with Title 23 regarding the sleeved pipe and the non-annular space between the larger and smaller pipe. (O. Magana - DWR UCIP)06/11/2013 Annular space not grouted between 8-inch and 10-inch pipe and the metal walkway is structurally failing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 8-inch steel irrigation pipe sleeved through a 10-inch pipe (12-inch referenced in permit recordation) through the levee, 4 feet below the crown. 1.5-inch electrical conduit through levee at same location. Pump located on pile structure located on the waterside (WS). Timber walkway to pump is located on the WS. Service pole is located on the landside (LS) slope. Siphon breaker on WS slope (12-inch pipe owner name change issued under Permit No. 11204-1, 2015 - J. Morris; 12-inch pipe authorized [HLM 1.99] under Automatic Board Order (ABO) issued as Permit No. 11204, 1971 - R. H. Elliott). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 103, June 1954, (Station XX+XX)--unable to correlate crossing with O&M Manual]. FS Date: 12/2/2016 | | | | | |

Photo 3 of 3 : UCIP_SP_2017_51449_24535.jpg



Pipe at outlet on LS toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.08 | Rating ** | M | Issue No. | 14 |
| LM End | 2.19 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.220028 ° | 38.218494 ° |
| | | | | -121.542922 ° | -121.542646 ° |
| DWR ID | DWR_RD0563_01_s_2012_14 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
| | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.18 | Rating ** | M | Issue No. | 15 |
| LM End | 2.18 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.218575 ° | 38.218575 ° |
| | | | | -121.542668 ° | -121.542668 ° |
| DWR ID | DWR_RD0563_01_s_2012_15 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| Landowner installed metal box around siphon breaker. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_15_20170313_00015.jpg



Looking south at siphon box installed on waterside shoulder.

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.19 | Rating ** | U | Issue No. | 780 |
| LM End | 2.19 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.218534 ° | 38.218534 ° |
| | | | | -121.542656 ° | -121.542656 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:51450 DS_ID:20176 EP_NO: 13311 Repair Type: Urgent Crossing Status: Found UCIP Comments: 12/02/2016 Dense vegetation around concrete standpipe located on LS toe assume issue recorded back in 2013 is still present due to the dense vegetation around structure. Need to contact owner. Owner will need to coordinate with the CVFPB to address the leaky concrete standpipe and the new metal case installed on WS slope (section of levee still opened). (O. Magana - DWR UCIP)06/11/2013 Concrete standpipe on LS toe is not functioning properly. Leaks springing up in the ground around the standpipe. This may erode the soil at base of levee. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 12-inch steel irrigation pipe through levee, 3 feet below the crown. Slant pump is located on the waterside (WS) toe. 36-inch concrete standpipe and pipe works visible on the landside (LS) toe. Siphon breaker in 24-inch corrugated metal pipe (CMP) riser located on the LS shoulder. Pipe replaced 12-inch pipe from O&M manual/Permit No. 11207. (Permit No. 13311, 1982). (12-inch replaced under Permit No. 13311, 1981 - P. L. Lykins Ranch; 12-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 11207, 1975 - Fong) FS Date: 12/2/2016 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_51450_24541.jpg



Slant pump and pipe on WS slope.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.19 | Rating ** | U | Issue No. | 780 (cont) |
| LM End | 2.19 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.218534 ° | 38.218534 ° |
| | | | | -121.542656 ° | -121.542656 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:51450
DS_ID:20176
EP_NO: 13311
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 12/02/2016 Dense vegetation around concrete standpipe located on LS toe assume issue recorded back in 2013 is still present due to the dense vegetation around structure. Need to contact owner. Owner will need to coordinate with the CVFPB to address the leaky concrete standpipe and the new metal case installed on WS slope (section of levee still opened). (O. Magana - DWR UCIP)06/11/2013 Concrete standpipe on LS toe is not functioning properly. Leaks springing up in the ground around the standpipe. This may erode the soil at base of levee. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 1 of 2: 12-inch steel irrigation pipe through levee, 3 feet below the crown. Slant pump is located on the waterside (WS) toe. 36-inch concrete standpipe and pipe works visible on the landside (LS) toe. Siphon breaker in 24-inch corrugated metal pipe (CMP) riser located on the LS shoulder. Pipe replaced 12-inch pipe from O&M manual/Permit No. 11207. (Permit No. 13311, 1982). (12-inch replaced under Permit No. 13311, 1981 - P. L. Lykins Ranch; 12-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 11207, 1975 - Fong)
FS Date: 12/2/2016

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 2.19 | Rating ** | U | Issue No. | 780 (cont) |
| LM End | 2.19 | Issue Type + | En | Location * | WS |

Photo 2 of 3 : UCIP_SP_2017_51450_24540.jpg



Concrete standpipe, and 24-inch CMP riser on LS of levee.

Photo 3 of 3 : UCIP_SP_2017_51450_24539.jpg



Leaks around standpipe on LS toe.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.19 | Rating ** | M | Issue No. | 33 |
| LM End | 2.19 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.218463 ° | 38.218463 ° |
| | | | | -121.542650 ° | -121.542650 ° |
| DWR ID | DWR_RD0563_01_s_2012_33 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Rodent holes on landside shoulder. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_33_20170313_00028.jpg



Looking southeast at squirrel holes on landside shoulder.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.25 | Rating ** | U | Issue No. | 116 |
| LM End | 2.25 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.217588 ° | 38.217588 ° |
| | | | | -121.542520 ° | -121.542520 ° |
| DWR ID | DWR_RD0563_01_s_2017_116 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| LMA found the erosion while on patrol during the February Storm 2017. | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 2.26 | Rating ** | A/W | Issue No. | 148 |
| LM End | 2.26 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.217543 ° | 38.217543 ° |
| | | | | -121.542478 ° | -121.542478 ° |
| DWR ID | DWR_RD0563_01_f_2014_148 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.33 | Rating ** | M | Issue No. | 66 |
| LM End | 3.65 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 38.216733 ° | 38.203056 ° |
| | | | | -121.541672 ° | -121.539749 ° |
| DWR ID | DWR_RD0563_01_s_2013_66 | | | | |
| Comment Code | | | | | |
| C3 : Add appropriate gravel or road base. Grade and compact. | | | | | |
| Inspector Comment | | | | | |
| The roadway is passable, but should be bladed to maintain a good roadway with good gravel and a smooth surface. Some material may need to be added. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_66_20170316_00244.jpg



Looking south at several potholes/ruts on levee crown.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.40 | Rating ** | U | Issue No. | 12 |
| LM End | 2.41 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.216122 ° | 38.216047 ° |
| | | | | -121.540555 ° | -121.540415 ° |
| DWR ID | DWR_RD0563_01_s_2012_12 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| Dense elderberry on waterward shoulder and slope. | | | | | |

Photo 1 of 3 : SP_2017_RD0563_210_12_20170316_00245.jpg



Looking southwest at dense elderberries on waterward shoulder and slope. (Spring 2017)

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.40 | Rating ** | U | Issue No. | 12 (cont) |
| LM End | 2.41 | Issue Type + | Ma | Location * | WS |

Photo 2 of 3 : SP_2017_RD0563_210_12_20170313_00012.jpg



Looking south at dense elderberry on waterward shoulder and slope. (Spring 2015)

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|---|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 2.40 | Rating ** | U | Issue No. | 12 (cont) | |
| LM End | 2.41 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.216122 ° | | 38.216047 ° |
| | | | | -121.540555 ° | | -121.540415 ° |
| DWR ID | DWR_RD0563_01_s_2012_12 | | | | | |
| Comment Code | | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | | |
| Inspector Comment | | | | | | |
| Dense elderberry on waterward shoulder and slope. | | | | | | |

Photo 3 of 3 : SP_2017_RD0563_210_12_20170313_00013.jpg



Looking southwest at dense elderberry on waterside shoulder and slope.
(Fall 2014)

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.46 | Rating ** | U | Issue No. | 124 |
| LM End | 2.55 | Issue Type + | Ob | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Seepage / Sandboils | | | 38.215668 ° | 38.214867 ° |
| | | | | -121.539732 ° | -121.538300 ° |
| DWR ID | DWR_RD0563_01_s_2017_124 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Seepage that was discovered during the February storm | | | | | |
| | | | | | |

Photo 1 of 3 : SP_2017_RD0563_210_124_20170316_00248.jpg



Looking east at staking and seepage at landward toe and berm

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 2.46 | Rating ** | U | Issue No. | 124 (cont) |
| LM End | 2.55 | Issue Type + | Ob | Location * | LS |

Photo 2 of 3 : SP_2017_RD0563_210_124_20170316_00247.jpg



Looking north at seepage along landward toe and berm.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 2.46 | Rating ** | U | Issue No. | 124 (cont) | |
| LM End | 2.55 | Issue Type + | Ob | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Seepage / Sandboils | | | 38.215668 ° | 38.214867 ° | |
| | | | | -121.539732 ° | -121.538300 ° | |
| DWR ID | DWR_RD0563_01_s_2017_124 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| Seepage that was discovered during the February storm | | | | | | |
| | | | | | | |

Photo 3 of 3 : SP_2017_RD0563_210_124_20170316_00246.jpg



Looking south at seepage along landward toe and berm.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.53 | Rating ** | M | Issue No. | 85 |
| LM End | 2.55 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.215082 ° | 38.214852 ° |
| | | | | -121.538652 ° | -121.538305 ° |
| DWR ID | DWR_RD0563_01_s_2012_85 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Rodent holes not visiable due to dense veg on landward slope. | | | | | |

Photo 1 of 4 : SP_2017_RD0563_210_85_20170313_00081.jpg



Looking west at rodent hole on landside slope.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.53 | Rating ** | M | Issue No. | 85 (cont) |
| LM End | 2.55 | Issue Type + | Ma | Location * | LS |

Photo 2 of 4 : SP_2017_RD0563_210_85_20170313_00082.jpg



Looking east at rodent hole on landside slope.

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|---|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 2.53 | Rating ** | M | Issue No. | 85 (cont) | |
| LM End | 2.55 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Animal Control | | | 38.215082 ° | | 38.214852 ° |
| | | | | -121.538652 ° | | -121.538305 ° |
| DWR ID | DWR_RD0563_01_s_2012_85 | | | | | |
| Comment Code | | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | | |
| Inspector Comment | | | | | | |
| Rodent holes not visiable due to dense veg on landward slope. | | | | | | |

Photo 3 of 4 : SP_2017_RD0563_210_85_20170313_00083.jpg



Looking southwest at rodent holes on landside slope.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.53 | Rating ** | M | Issue No. | 85 (cont) |
| LM End | 2.55 | Issue Type + | Ma | Location * | LS |

Photo 4 of 4 : SP_2017_RD0563_210_85_20170313_00084.jpg



Looking northeast at rodent holes on landside slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.53 | Rating ** | C | Issue No. | 20 |
| LM End | 2.53 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.215047 ° | 38.215047 ° |
| | | | | -121.538604 ° | -121.538604 ° |
| DWR ID | DWR_RD0563_01_s_2012_20 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.57 | Rating ** | M | Issue No. | 80 |
| LM End | 2.57 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.214707 ° | 38.214707 ° |
| | | | | -121.538061 ° | -121.538061 ° |
| DWR ID | DWR_RD0563_01_f_2012_80 | | | | |
| Comment Code | | | | | |
| RA : Ramp | | | | | |
| Inspector Comment | | | | | |
| Landowner installed unauthorized ramp on landside slope. This ramp is not part of permit # 9146. | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_80_20170313_00078.jpg



Looking east at unauthorized ramp on landside slope.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.57 | Rating ** | M | Issue No. | 80 (cont) |
| LM End | 2.57 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : SP_2017_RD0563_210_80_20170313_00079.jpg



Looking southeast at unauthorized ramp on landside slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.61 | Rating ** | M | Issue No. | 39 |
| LM End | 2.82 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.214133 ° | 38.211737 ° |
| | | | | -121.537778 ° | -121.535436 ° |
| DWR ID | DWR_RD0563_01_s_2016_39 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 1997 - Loss of rock at toe; pockets of upper berm erosion; very narrow berm width; toe rock problem; erosion pockets in rock. 2002 - New brush boxes at toe of the worst spots. 2005 - Upstream 200 ft removed because of the wide berm. 2006 - Some rock repair pockets behind the brush boxes at the upstream end. 2010 - Some new erosion. 2013 - New rock placed on the levee slope. 2015: Last observed in 2013. [2015 Site ID: GEO_9-3_L] | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_39_20170313_00032.jpg



USACE 2013 Photo #1

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.67 | Rating ** | C | Issue No. | 149 |
| LM End | 2.67 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.213460 ° | 38.213460 ° |
| | | | | -121.537085 ° | -121.537085 ° |
| DWR ID | DWR_RD0563_01_f_2014_149 | | | | |
| Comment Code | | | | | |
| T4 : Trim trees over roadway to at least 12 feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.70 | Rating ** | M | Issue No. | 162 |
| LM End | 2.70 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.213096 ° | 38.213096 ° |
| | | | | -121.536738 ° | -121.536738 ° |
| DWR ID | DWR_RD0563_01_s_2016_162 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Untrimmed tree on waterward shoulder. | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.81 | Rating ** | M | Issue No. | 158 |
| LM End | 2.81 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.211967 ° | 38.211967 ° |
| | | | | -121.535487 ° | -121.535487 ° |
| DWR ID | DWR_RD0563_01_f_2015_158 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.89 | Rating ** | M | Issue No. | 104 |
| LM End | 2.89 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.210966 ° | 38.210966 ° |
| | | | | -121.534813 ° | -121.534813 ° |
| DWR ID | DWR_RD0563_01_f_2013_104 | | | | |
| Comment Code | | | | | |
| MA : Material | | | | | |
| Inspector Comment | | | | | |
| Landowner stockpiled concrete rubble on landward and waterward slope to stop trespassers. Landowner should replace the stockpile with a proper fence. | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_104_20170313_00105.jpg



Looking west at concrete rubble on waterward shoulder and slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|---|--------------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 2.89 | Rating ** | M | Issue No. | 104 (cont) | |
| LM End | 2.89 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.210966 ° | | 38.210966 ° |
| | | | | -121.534813 ° | | -121.534813 ° |
| DWR ID | DWR_RD0563_01_f_2013_104 | | | | | |
| Comment Code | | | | | | |
| MA : Material | | | | | | |
| Inspector Comment | | | | | | |
| Landowner stockpiled concrete rubble on landward and waterward slope to stop trespassers. Landowner should replace the stockpile with a proper fence. | | | | | | |

Photo 2 of 2 : SP_2017_RD0563_210_104_20170313_00106.jpg



Looking east at concrete rubble on landward slope.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.93 | Rating ** | U | Issue No. | 67 |
| LM End | 2.95 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.210472 ° | 38.210358 ° |
| | | | | -121.535175 ° | -121.535478 ° |
| DWR ID | DWR_RD0563_01_s_2012_67 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Dead Vines (Berry or wildroses) on landside toe. | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_67_20170316_00249.jpg



Looking east at dead berryvines at landward toe. (Spring 2017)

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.93 | Rating ** | U | Issue No. | 67 (cont) |
| LM End | 2.95 | Issue Type + | Ma | Location * | LS |

Photo 2 of 2 : SP_2017_RD0563_210_67_20170313_00051.jpg



Looking east at dead berryvines at landward toe. (Fall 2016)

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 3.00 | Rating ** | M | Issue No. | 781 |
| LM End | 3.00 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.210209 ° | 38.210209 ° |
| | | | | -121.536313 ° | -121.536313 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:14885 DS_ID:20139 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned and should be done so properly. Need to verify disposition of pipe. FIELD_STRUCT_DESC: *ABANDONED* 6-inch pipe through levee 4.0 feet below crown. Siphon breaker in 24-inch CMP riser on landward shoulder. Open on both ends. Originally included in 1954 O&M manual with the description 1" air valve, brass cock and cover. FS Date: 6/11/2013 | | | | | |

Photo 1 of 1 : UCIP_SP_2017_14885_24548.jpg



24-inch CMP standpipe on LS slope.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.02 | Rating ** | U | Issue No. | 74 |
| LM End | 3.21 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.210212 ° | 38.209165 ° |
| | | | | -121.536728 ° | -121.539920 ° |
| DWR ID | DWR_RD0563_01_s_2012_74 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Dead berryvines at landside toe blocking view of toe. | | | | | |

Photo 1 of 3 : SP_2017_RD0563_210_74_20170316_00250.jpg



Looking southeast at dead berryvines along landward toe and berm.
(Spring 2017)

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 3.02 | Rating ** | U | Issue No. | 74 (cont) | |
| LM End | 3.21 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.210212 ° | | 38.209165 ° |
| | | | | -121.536728 ° | | -121.539920 ° |
| DWR ID | DWR_RD0563_01_s_2012_74 | | | | | |
| Comment Code | | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | | |
| Inspector Comment | | | | | | |
| Dead berryvines at landside toe blocking view of toe. | | | | | | |

Photo 2 of 3 : SP_2017_RD0563_210_74_20170313_00059.jpg



Looking southeast at berryvines at landward toe., (Spring 2016)

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 3.02 | Rating ** | U | Issue No. | 74 (cont) |
| LM End | 3.21 | Issue Type + | Ma | Location * | LS |

Photo 3 of 3 : SP_2017_RD0563_210_74_20170313_00060.jpg



Looking southeast at dense berryvines at landward toe. (Spring 2015)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.06 | Rating ** | U | Issue No. | 78 |
| LM End | 3.06 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.210240 ° | 38.210240 ° |
| | | | | -121.537517 ° | -121.537517 ° |
| DWR ID | DWR_RD0563_01_s_2012_78 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| Slope damage on landward shoulder and slope has been in place for several inspection cycles. | | | | | |

Photo 1 of 4 : SP_2017_RD0563_210_78_20170316_00251.jpg



Looking north at rain runoff erosion on landward slope. (Spring 2017)

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 3.06 | Rating ** | U | Issue No. | 78 (cont) | |
| LM End | 3.06 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Slope Stability | | | 38.210240 ° | | 38.210240 ° |
| | | | | -121.537517 ° | | -121.537517 ° |
| DWR ID | DWR_RD0563_01_s_2012_78 | | | | | |
| Comment Code | | | | | | |
| S1 : Repair slope instability. | | | | | | |
| Inspector Comment | | | | | | |
| Slope damage on landward shoulder and slope has been in place for several inspection cycles. | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 3.06 | Rating ** | U | Issue No. | 78 (cont) |
| LM End | 3.06 | Issue Type + | Ma | Location * | LS |

Photo 2 of 4 : SP_2017_RD0563_210_78_20170313_00072.jpg



Looking west at rain runoff erosion on landward slope. (Spring 2016)

Photo 3 of 4 : SP_2017_RD0563_210_78_20170313_00075.jpg



Looking east at slope erosion. (Updated Spring 2012)

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 3.06 | Rating ** | U | Issue No. | 78 (cont) |
| LM End | 3.06 | Issue Type + | Ma | Location * | LS |

Photo 4 of 4 : SP_2017_RD0563_210_78_20170313_00076.jpg



Looking west at slope erosion cause by runoff on landside slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.11 | Rating ** | U | Issue No. | 763 |
| LM End | 3.21 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.210005 ° | 38.209229 ° |
| | | | | -121.538452 ° | -121.539855 ° |
| DWR ID | DWR_RD0563_01_s_2015_763 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Dense vegetation (willows) at landward toe. | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_763_20170313_00149.jpg



Looking south at dense vegetation (willows) at landward toe. (Spring 2016)

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 3.11 | Rating ** | U | Issue No. | 763 (cont) |
| LM End | 3.21 | Issue Type + | Ma | Location * | LS |

Photo 2 of 2 : SP_2017_RD0563_210_763_20170313_00150.jpg



Looking south at dense vegetation at landward slope and toe. (Spring 2015)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.21 | Rating ** | U | Issue No. | 68 |
| LM End | 3.21 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.209217 ° | 38.209217 ° |
| | | | | -121.539823 ° | -121.539823 ° |
| DWR ID | DWR_RD0563_01_s_2012_68 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_68_20170313_00053.jpg



Looking south at dense trees on landward slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 3.21 | Rating ** | U | Issue No. | 68 (cont) | |
| LM End | 3.21 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Trim / Thin Trees | | | 38.209217 ° | | 38.209217 ° |
| | | | | -121.539823 ° | | -121.539823 ° |
| DWR ID | DWR_RD0563_01_s_2012_68 | | | | | |
| Comment Code | | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

Photo 2 of 2 : SP_2017_RD0563_210_68_20170313_00054.jpg



Looking southeast at dense trees on landside slope and toe.

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 3.25 | Rating ** | M | Issue No. | 782 |
| LM End | 3.25 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.208674 ° | 38.208674 ° |
| | | | | -121.540280 ° | -121.540280 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:14887 DS_ID:20140 EP_NO: 12708 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe heavily corroded. Good candidate for viewo inspection. FIELD_STRUCT_DESC: 1 of 2: 14-inch pipe through levee 3.0 feet below crown. Slant pump and gate valve on waterward side. 9'X7' concrete distribution box on LS toe. Service pole on landward shoulder (Permit No. 12708, 1980). Replaced 8-inch pipe under Permit No. 11211 and 1954 O&M manual. FS Date: 6/11/2013 | | | | | |

Photo 1 of 2 : UCIP_SP_2017_14887_24550.jpg



Distribution box and JP on LS.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 3.25 | Rating ** | M | Issue No. | 782 (cont) | |
| LM End | 3.25 | Issue Type + | En | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.208674 ° | | 38.208674 ° |
| | | | | -121.540280 ° | | -121.540280 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:14887 DS_ID:20140 EP_NO: 12708 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe heavily corroded. Good candidate for viewo inspection. FIELD_STRUCT_DESC: 1 of 2: 14-inch pipe through levee 3.0 feet below crown. Slant pump and gate valve on waterward side. 9'X7' concrete distribution box on LS toe. Service pole on landward shoulder (Permit No. 12708, 1980). Replaced 8-inch pipe under Permit No. 11211 and 1954 O&M manual. FS Date: 6/11/2013 | | | | | | |

Photo 2 of 2 : UCIP_SP_2017_14887_24549.jpg



Pump and walkway on WS.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.26 | Rating ** | M | Issue No. | 764 |
| LM End | 3.26 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.208593 ° | 38.208593 ° |
| | | | | -121.540332 ° | -121.540332 ° |
| DWR ID | DWR_RD0563_01_s_2015_764 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.90 | Rating ** | U | Issue No. | 125 |
| LM End | 4.24 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.200627 ° | 38.197060 ° |
| | | | | -121.542282 ° | -121.546190 ° |
| DWR ID | DWR_RD0563_01_s_2017_125 | | | | |
| Comment Code | | | | | |
| AT : Agricultural tilling | | | | | |
| Inspector Comment | | | | | |
| Six to twelve inch cut along the landward toe. | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 3.90 | Rating ** | U | Issue No. | 125 (cont) |
| LM End | 4.24 | Issue Type + | En | Location * | LS |

Photo 1 of 4 : SP_2017_RD0563_210_125_20170316_00253.jpg



Looking at erosion around stand pipe at landward toe.

Photo 2 of 4 : SP_2017_RD0563_210_125_20170316_00254.jpg



Looking west at cut along farm's service road at landward toe and berm.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 3.90 | Rating ** | U | Issue No. | 125 (cont) |
| LM End | 4.24 | Issue Type + | En | Location * | LS |

Photo 3 of 4 : SP_2017_RD0563_210_125_20170316_00252.jpg



Looking northwest at cut along farm's service road at landward toe.

| | | | | | |
|---|--|--|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|--|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|--------------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 3.90 | Rating ** | U | Issue No. | 125 (cont) | |
| LM End | 4.24 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.200627 ° | | 38.197060 ° |
| | | | | -121.542282 ° | | -121.546190 ° |
| DWR ID | DWR_RD0563_01_s_2017_125 | | | | | |
| Comment Code | | | | | | |
| AT : Agricultural tilling | | | | | | |
| Inspector Comment | | | | | | |
| Six to twelve inch cut along the landward toe. | | | | | | |

Photo 4 of 4 : SP_2017_RD0563_210_125_20170316_00255.jpg



Looking south at cut along farm's service road at landward toe.

| | | | | | |
|--|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.91 | Rating ** | M | Issue No. | 38 |
| LM End | 4.01 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.200733 ° | 38.199925 ° |
| | | | | -121.542571 ° | -121.544249 ° |
| DWR ID | DWR_RD0563_01_s_2016_38 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 1997 - Narrow eroding berm upstream of existing rock. 2001 - Staked, low fascine walls at bankline. 2011 - Minor new erosion. Site extended downstream. 2012 - Rock repair failing in one erosion pocket. 2015: Last observed in 2013. [2015 Site ID: GEO_8-3_L] | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_38_20170313_00031.jpg



USACE 2013 Photo #1

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 4.24 | Rating ** | M | Issue No. | 783 |
| LM End | 4.24 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.197004 ° | 38.197004 ° |
| | | | | -121.546162 ° | -121.546162 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:14923 DS_ID:20142 EP_NO: 5925 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to have PG&E determine status of pipe and mark as necessary. FIELD_STRUCT_DESC: 8.5-inch gas line through levee 3.0 feet below crown (Permit No. 5925, 1968). FS Date: 6/11/2013 | | | | | |

No Photos

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 4.26 | Rating ** | M | Issue No. | 784 |
| LM End | 4.26 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.196725 ° | 38.196725 ° |
| | | | | -121.546310 ° | -121.546310 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:16244 | | | | | |
| DS_ID:23971 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: Need to determine disposition of pipe. Likely that this pipe was removed from levee section as evidenced by the cut in pavement on crown. | | | | | |
| FIELD_STRUCT_DESC: 4.5-inch gas line through the levee at an unknown depth below the crown. Cut in pavement and Pipe visible on WS toe. (Permit No. 15539) | | | | | |
| FS Date: 6/11/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_16244_27390.jpg



Cut in pavement with USAA markings for gasoline.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 4.26 | Rating ** | M | Issue No. | 784 (cont) | |
| LM End | 4.26 | Issue Type + | En | Location * | WS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.196725 ° | | 38.196725 ° |
| | | | | -121.546310 ° | | -121.546310 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:16244 | | | | | | |
| DS_ID:23971 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Need to determine disposition of pipe. Likely that this pipe was removed from levee section as evidenced by the cut in pavement on crown. | | | | | | |
| FIELD_STRUCT_DESC: 4.5-inch gas line through the levee at an unknown depth below the crown. Cut in pavement and Pipe visible on WS toe. (Permit No. 15539) | | | | | | |
| FS Date: 6/11/2013 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 4.26 | Rating ** | M | Issue No. | 784 (cont) |
| LM End | 4.26 | Issue Type + | En | Location * | WS |

Photo 2 of 3 : UCIP_SP_2017_16244_27389.jpg



Cut in pavement with USAA markings for gasline.

Photo 3 of 3 : UCIP_SP_2017_16244_27388.jpg



Pipe visible on WS toe.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.39 | Rating ** | U | Issue No. | 93 |
| LM End | 4.59 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.195242 ° | 38.193415 ° |
| | | | | -121.547582 ° | -121.550632 ° |
| DWR ID | DWR_RD0563_01_f_2012_93 | | | | |
| Comment Code | | | | | |
| DT : Ditch | | | | | |
| Inspector Comment | | | | | |
| Ditch at landside toe should be removed. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_93_20170313_00095.jpg



Looking south at irrigation ditch at landside toe.

| | | | | | |
|-------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.41 | Rating ** | C | Issue No. | 171 |
| LM End | 4.41 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.195037 ° | 38.195037 ° |
| | | | | -121.547929 ° | -121.547929 ° |
| DWR ID | DWR_RD0563_01_f_2016_171 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Dead tree limbs on waterward slope. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.63 | Rating ** | U | Issue No. | 88 |
| LM End | 4.64 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.193078 ° | 38.192980 ° |
| | | | | -121.551047 ° | -121.551263 ° |
| DWR ID | DWR_RD0563_01_s_2012_88 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Fig tree and pine trees block view of landward slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_88_20170313_00086.jpg



Looking south at dense trees on landside slope and toe.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
| | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 4.75 | Rating ** | M | Issue No. | 785 |
| LM End | 4.75 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.191864 ° | 38.191864 ° |
| | | | | -121.552606 ° | -121.552606 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:14927 DS_ID:20145 EP_NO: 11205 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some settlement over pipe on WS shoulder and there is some animal burrow tunnels over the pipe on the LS shoulder. FIELD_STRUCT_DESC: 4 of 5: 10-inch pipe through levee 3.8 feet below crown. Siphon breaker on landward shoulder. Slant pump off WS toe. Booster and filter station off LS toe. Abandoned concrete distribution box at LS toe. 1-inch galvanized iron electrical conduit at same location (ABO No.11205, 1971). Originally included in the 1954 O&M manual. FS Date: 6/11/2013 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 4.75 | Rating ** | M | Issue No. | 785 (cont) |
| LM End | 4.75 | Issue Type + | En | Location * | LS |

Photo 1 of 3 : UCIP_SP_2017_14927_24590.jpg



Pipe, distribution box, JP, electrical conduit, and booster/filter system on LS.

Photo 2 of 3 : UCIP_SP_2017_14927_24589.jpg



Pipe on WS slope.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 4.75 | Rating ** | M | Issue No. | 785 (cont) | |
| LM End | 4.75 | Issue Type + | En | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.191864 ° | | 38.191864 ° |
| | | | | -121.552606 ° | | -121.552606 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:14927 DS_ID:20145 EP_NO: 11205 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some settlement over pipe on WS shoulder and there is some animal burrow tunnels over the pipe on the LS shoulder. FIELD_STRUCT_DESC: 4 of 5: 10-inch pipe through levee 3.8 feet below crown. Siphon breaker on landward shoulder. Slant pump off WS toe. Booster and filter station off LS toe. Abandoned concrete distribution box at LS toe. 1-inch galvanized iron electrical conduit at same location (ABO No.11205, 1971). Originally included in the 1954 O&M manual. FS Date: 6/11/2013 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_14927_24588.jpg



Slant pump off WS toe.

| | | | | | |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.98 | Rating ** | M | Issue No. | 45 |
| LM End | 5.04 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.190073 ° | 38.189524 ° |
| | | | | -121.556307 ° | -121.557227 ° |
| DWR ID | DWR_RD0563_01_s_2016_45 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2009 - Small scallops of erosion into the levee toe behind brush boxes. 2011 - Minor new erosion. 2012 - Site extended upstream to account for addition erosion pockets. 2015: Last observed in 2013. [2015 Site ID: GEO_7-2_L] | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_45_20170313_00038.jpg



USACE 2013 Photo #1

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.15 | Rating ** | U | Issue No. | 46 |
| LM End | 5.39 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.188216 ° | 38.185968 ° |
| | | | | -121.558442 ° | -121.561667 ° |
| DWR ID | DWR_RD0563_01_s_2016_46 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 1997 - Deep pockets of erosion into a narrow berm just downstream of the rock. 2000 - Scallops in banks with small colored flags, some new biotech rolls in with older rolls in the scallops. 2001 - Staked , low fascine walls at the bankline. 2011 - Site upgraded to CRITICAL. Site extended upstream due to new erosion pocket. New tree popouts and new erosion. 2013 - Pipe observed at upstream end of site. 2015: Last observed in 2013. [2015 Site ID: GEO 6-8 L] | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_46_20170313_00039.jpg



USACE 2013 Photo #1

| | | | | | |
|-----------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.15 | Rating ** | M | Issue No. | 163 |
| LM End | 5.15 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.188121 ° | 38.188121 ° |
| | | | | -121.558359 ° | -121.558359 ° |
| DWR ID | DWR_RD0563_01_s_2016_163 | | | | |
| Comment Code | | | | | |
| GA : Garbage | | | | | |
| Inspector Comment | | | | | |
| Garbage on waterward slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_163_20170313_00137.jpg



Looking west at garbage on waterward slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 5.17 | Rating ** | M | Issue No. | 786 |
| LM End | 5.17 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.187938 ° | 38.187938 ° |
| | | | | -121.558495 ° | -121.558495 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:14943 DS_ID:20146 EP_NO: 11205 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify wether or not pipe has been abandoned. FIELD_STRUCT_DESC: 5 of 5: 8-inch pipe through levee 3.7 feet below crown. Pump and gate valve on waterward end. Siphon breaker on landward shoulder. (ABO No. 11205, 1971). Originally included in 1954 O&M manual with the description 1" air valve, brass cock and cover, reinforced concrete spillbox. FS Date: 6/11/2013 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 5.17 | Rating ** | M | Issue No. | 786 (cont) |
| LM End | 5.17 | Issue Type + | En | Location * | WS |

Photo 1 of 3 : UCIP_SP_2017_14943_24595.jpg



Distribution box and 24-inch CMP riser on LS slope.

Photo 2 of 3 : UCIP_SP_2017_14943_24594.jpg



Inside distribution box at LS toe.

| | | | | | |
|--|--|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 5.17 | Rating ** | M | Issue No. | 786 (cont) | |
| LM End | 5.17 | Issue Type + | En | Location * | WS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.187938 ° | | 38.187938 ° |
| | | | | -121.558495 ° | | -121.558495 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:14943 | | | | | | |
| DS_ID:20146 | | | | | | |
| EP_NO: 11205 | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Need to verify wether or not pipe has been abandoned. | | | | | | |
| FIELD_STRUCT_DESC: 5 of 5: 8-inch pipe through levee 3.7 feet below crown. Pump and gate valve on waterward end. Siphon breaker on landward shoulder. (ABO No. 11205, 1971). Originally included in 1954 O&M manual with the description 1" air valve, brass cock and cover, reinforced concrete spillbox. | | | | | | |
| FS Date: 6/11/2013 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_14943_24593.jpg



Unable to locate pump or other appurtances on WS toe due to vegetation.

| | | | | | | |
|---|-------------------------|--------------|----|------------------------|----|---------------|
| LM Start | 5.40 | Rating ** | M | Issue No. | 24 | |
| LM End | 5.43 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Trim / Thin Trees | | | 38.185772 ° | | 38.185595 ° |
| | | | | -121.561613 ° | | -121.562228 ° |
| DWR ID | DWR_RD0563_01_s_2013_24 | | | | | |
| Comment Code | | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.49 | Rating ** | M | Issue No. | 55 |
| LM End | 6.27 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.185479 ° | 38.181359 ° |
| | | | | -121.563296 ° | -121.576292 ° |
| DWR ID | DWR_RD0563_01_s_2016_55 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 1997 - Deep pockets of erosion and narrow berm. Reach is characterized by lots of pockets into the existing berm and/or levee slope. 1999 - Some pockets filled with rock riprap. 2000 - Exposed fabric. 2001 - Staked, low fascine walls at bankline. 2002 - New spot of rock at upstream end. Some new brush boxes. 2005 - Some stone sliding off the underlying geotextile fabric. Some new brush bundles in the brush boxes; some with missing bundles. Some boxes too low relative to high tide. 2009 - Minimal new erosion, site length extended. 2010 - New erosion on downstream end, site extended downstream. 2011 - Sites 6.1, 6.4 and 6.6 were combined. New erosion pockets, site extended to include the erosion in between the old sites. 2012 - Rock has been placed in portions of the bank since last year. 2015: Last observed in 2013. [2015 Site ID: GEO_6-3_L] | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_55_20170313_00044.jpg



USACE 2013 Photo #1

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 5.87 | Rating ** | M | Issue No. | 787 |
| LM End | 5.87 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.182398 ° | 38.182398 ° |
| | | | | -121.569078 ° | -121.569078 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:16289 DS_ID:20148 EP_NO: 1826 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 2-inch discharge pipe through levee 2.7 feet below crown (Permit No. 1826, 1959). FS Date: 6/11/2013 | | | | | |

Photo 1 of 2 : UCIP_SP_2017_16289_27439.jpg



Pipe visible on LS slope.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 5.87 | Rating ** | M | Issue No. | 787 (cont) | |
| LM End | 5.87 | Issue Type + | En | Location * | WS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.182398 ° | | 38.182398 ° |
| | | | | -121.569078 ° | | -121.569078 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:16289 DS_ID:20148 EP_NO: 1826 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 2-inch discharge pipe through levee 2.7 feet below crown (Permit No. 1826, 1959). FS Date: 6/11/2013 | | | | | | |

Photo 2 of 2 : UCIP_SP_2017_16289_27438.jpg



Pipe visible on WS shoulder.

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 5.88 | Rating ** | M | Issue No. | 788 |
| LM End | 5.88 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.182334 ° | 38.182334 ° |
| | | | | -121.569193 ° | -121.569193 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:14949 | | | | | |
| DS_ID:20175 | | | | | |
| EP_NO: 11206 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: Pipe appears abandoned and should be done so properly. | | | | | |
| FIELD_STRUCT_DESC: 1 of 2: 8-inch pipe through levee 3.7 feet below crown. Pump and gate valve on waterward side. Siphon breaker on landward shoulder. 7'X9' concrete distribution box at LS toe (ABO No. 11206, 1971). Originally included in 1954 O&M. | | | | | |
| FS Date: 6/11/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_14949_24603.jpg



Slide gate at pump on WS slope

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 5.88 | Rating ** | M | Issue No. | 788 (cont) | |
| LM End | 5.88 | Issue Type + | En | Location * | WS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.182334 ° | 38.182334 ° | |
| | | | | -121.569193 ° | -121.569193 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:14949 | | | | | | |
| DS_ID:20175 | | | | | | |
| EP_NO: 11206 | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Pipe appears abandoned and should be done so properly. | | | | | | |
| FIELD_STRUCT_DESC: 1 of 2: 8-inch pipe through levee 3.7 feet below crown. Pump and gate valve on waterward side. Siphon breaker on landward shoulder. 7'X9' concrete distribution box at LS toe (ABO No. 11206, 1971). Originally included in 1954 O&M. | | | | | | |
| FS Date: 6/11/2013 | | | | | | |

Photo 2 of 3 : UCIP_SP_2017_14949_24602.jpg



Pipe at WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 5.88 | Rating ** | M | Issue No. | 788 (cont) |
| LM End | 5.88 | Issue Type + | En | Location * | WS |

Photo 3 of 3 : UCIP_SP_2017_14949_24601.jpg



Siphon breaker in 24-inch CMP riser on LS shoulder.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.88 | Rating ** | M | Issue No. | 126 |
| LM End | 5.88 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.182302 ° | 38.182302 ° |
| | | | | -121.569232 ° | -121.569232 ° |
| DWR ID | DWR_RD0563_01_s_2017_126 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Prunings stock pile on waterward slope and berm. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_126_20170316_00256.jpg



Looking west at small pruning pile on waterward slope.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.92 | Rating ** | U | Issue No. | 22 |
| LM End | 5.96 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.181965 ° | 38.181763 ° |
| | | | | -121.569913 ° | -121.570447 ° |
| DWR ID | DWR_RD0563_01_s_2012_22 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Large cactus on landward slope. | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_22_20170313_00018.jpg



Large cactus plant on landward slope from LM 6.04 to 6.08

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 5.92 | Rating ** | U | Issue No. | 22 (cont) |
| LM End | 5.96 | Issue Type + | Ma | Location * | LS |

Photo 2 of 2 : SP_2017_RD0563_210_22_20170313_00019.jpg



Looking downstream at dense cactus on landward slope. (Fall 2016)

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.96 | Rating ** | M | Issue No. | 35 |
| LM End | 5.96 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.181732 ° | 38.181732 ° |
| | | | | -121.570524 ° | -121.570524 ° |
| DWR ID | DWR_RD0563_01_s_2012_35 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.98 | Rating ** | M | Issue No. | 127 |
| LM End | 5.98 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.181622 ° | 38.181622 ° |
| | | | | -121.570887 ° | -121.570887 ° |
| DWR ID | DWR_RD0563_01_s_2017_127 | | | | |
| Comment Code | | | | | |
| GA : Garbage | | | | | |
| Inspector Comment | | | | | |
| Sofa on waterward slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_127_20170316_00257.jpg



Looking southwest at sofa on waterward slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 6.01 | Rating ** | M | Issue No. | 789 |
| LM End | 6.01 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.181477 ° | 38.181477 ° |
| | | | | -121.571417 ° | -121.571417 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:14950 DS_ID:20149 EP_NO: 11206 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to install a CMP riser on LS shoulder to protect the vent/filler pipe. FIELD_STRUCT_DESC: 2 of 2: 10-inch steel irrigation siphon through the levee 4.8 feet below the crown. Vent/filler pipe on LS shoulder. 7'X9' concrete distribution box on LS toe (ABO No. 11206, 1971). Originally included in 1954 O&M manual with the description 2" air and primer valve, reinforced concrete spillbox. FS Date: 6/11/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_14950_24607.jpg



Vent/filler pipe exposed on LS shoulder.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 6.01 | Rating ** | M | Issue No. | 789 (cont) |
| LM End | 6.01 | Issue Type + | En | Location * | WS |

Photo 2 of 3 : UCIP_SP_2017_14950_24606.jpg



Outlet pipe in distribution box on LS toe.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 6.01 | Rating ** | M | Issue No. | 789 (cont) |
| LM End | 6.01 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.181477 ° | 38.181477 ° |
| | | | | -121.571417 ° | -121.571417 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:14950 DS_ID:20149 EP_NO: 11206 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to install a CMP riser on LS shoulder to protect the vent/filler pipe. FIELD_STRUCT_DESC: 2 of 2: 10-inch steel irrigation siphon through the levee 4.8 feet below the crown. Vent/filler pipe on LS shoulder. 7'X9' concrete distribution box on LS toe (ABO No. 11206, 1971). Originally included in 1954 O&M manual with the description 2" air and primer valve, reinforced concrete spillbox. FS Date: 6/11/2013 | | | | | |

Photo 3 of 3 : UCIP_SP_2017_14950_24605.jpg



Pipe visible on WS toe.

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 6.07 | Rating ** | M | Issue No. | 790 |
| LM End | 6.07 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.181347 ° | 38.181347 ° |
| | | | | -121.572459 ° | -121.572459 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:14963 DS_ID:20150 EP_NO: 11200 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for 10-inch irrigation pipe that is sleeved through the 18-inch. FIELD_STRUCT_DESC: 18-inch steel conduit through the levee 5.2 feet below the crown. 10-inch steel irrigation siphon sleeved through the 18-inch pipe. Siphon breaker in 24-inch CMP riser on LS shoulder. Air vent on pipe LS slope. Slide gate at booster/filter plant off LS toe (ABO No. 11200, 1971). Originally included in the 1954 O&M manual stating the pipe was plugged. FS Date: 6/11/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_14963_24622.jpg



10-inch pipe sleeved through 18-inch conduit.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 6.07 | Rating ** | M | Issue No. | 790 (cont) | |
| LM End | 6.07 | Issue Type + | En | Location * | WS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.181347 ° | 38.181347 ° | |
| | | | | -121.572459 ° | -121.572459 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:14963 DS_ID:20150 EP_NO: 11200 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for 10-inch irrigation pipe that is sleeved through the 18-inch. FIELD_STRUCT_DESC: 18-inch steel conduit through the levee 5.2 feet below the crown. 10-inch steel irrigation siphon sleeved through the 18-inch pipe. Siphon breaker in 24-inch CMP riser on LS shoulder. Air vent on pipe LS slope. Slide gate at booster/filter plant off LS toe (ABO No. 11200, 1971). Originally included in the 1954 O&M manual stating the pipe was plugged. FS Date: 6/11/2013 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 6.07 | Rating ** | M | Issue No. | 790 (cont) |
| LM End | 6.07 | Issue Type + | En | Location * | WS |

Photo 2 of 3 : UCIP_SP_2017_14963_24621.jpg



Siphon breaker in 24-inch CMP riser on LS shoulder.

Photo 3 of 3 : UCIP_SP_2017_14963_24620.jpg



Vent/filler pipe on LS slope.

| | | | | | |
|--|--|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.26 | Rating ** | M | Issue No. | 23 |
| LM End | 6.28 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.181273 ° | 38.181165 ° |
| | | | | -121.575873 ° | -121.576217 ° |
| DWR ID | DWR_RD0563_01_s_2012_23 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_23_20170313_00020.jpg



Looking south at trees on landward shoulder.

| | | | | | |
|--|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.38 | Rating ** | M | Issue No. | 44 |
| LM End | 6.46 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.180462 ° | 38.179319 ° |
| | | | | -121.577895 ° | -121.578566 ° |
| DWR ID | DWR_RD0563_01_s_2016_44 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2013 - Erosion pockets into the levee prism. Erosion pockets primarily located behind unmaintained brush boxes. 2015: Last observed in 2013. [2015 Site ID: GEO_5-8_L] | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_44_20170313_00037.jpg



USACE 2013 Photo #1

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.46 | Rating ** | U | Issue No. | 25 |
| LM End | 6.58 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.179250 ° | 38.177533 ° |
| | | | | -121.578347 ° | -121.579087 ° |
| DWR ID | DWR_RD0563_01_s_2012_25 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_25_20170313_00021.jpg



Looking southeast at dense landscaping on landside shoulder and slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 6.57 | Rating ** | M | Issue No. | 791 |
| LM End | 6.57 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.177779 ° | 38.177779 ° |
| | | | | -121.578995 ° | -121.578995 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:14966 DS_ID:20152 EP_NO: 11201 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 3 of 3: 8-inch pipe through levee 4.7 feet below crown. Pump and gate valve on waterward berm. 4-foot diameter concrete standpipe on LS toe. Y-ramp on waterward slope (ABO No. 11201, 1971). Originally included in the 1954 O&M manual. FS Date: 6/11/2013 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 6.57 | Rating ** | M | Issue No. | 791 (cont) |
| LM End | 6.57 | Issue Type + | En | Location * | LS |

Photo 1 of 3 : UCIP_SP_2017_14966_24628.jpg



No connection to pump on WS shoulder.

Photo 2 of 3 : UCIP_SP_2017_14966_24627.jpg



Pump and pipe on WS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 6.57 | Rating ** | M | Issue No. | 791 (cont) | |
| LM End | 6.57 | Issue Type + | En | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.177779 ° | 38.177779 ° | |
| | | | | -121.578995 ° | -121.578995 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:14966 | | | | | | |
| DS_ID:20152 | | | | | | |
| EP_NO: 11201 | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Appears abandoned and should be done so properly. | | | | | | |
| FIELD_STRUCT_DESC: 3 of 3: 8-inch pipe through levee 4.7 feet | | | | | | |
| below crown. Pump and gate valve on waterward berm. 4-foot | | | | | | |
| diameter concrete standpipe on LS toe. Y-ramp on waterward slope | | | | | | |
| (ABO No. 11201, 1971). Originally included in the 1954 O&M manual. | | | | | | |
| FS Date: 6/11/2013 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_14966_24630.jpg



4-foot concrete standpipe on LS toe.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.59 | Rating ** | U | Issue No. | 164 |
| LM End | 6.62 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.177438 ° | 38.177033 ° |
| | | | | -121.579151 ° | -121.579344 ° |
| DWR ID | DWR_RD0563_01_s_2016_164 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Dense vegetation (vines) at landward toe. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_164_20170313_00138.jpg



Looking east at dense vegetation (vines) at landward toe.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.64 | Rating ** | M | Issue No. | 766 |
| LM End | 6.64 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.176820 ° | 38.176820 ° |
| | | | | -121.579444 ° | -121.579444 ° |
| DWR ID | DWR_RD0563_01_s_2015_766 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.64 | Rating ** | M | Issue No. | 51 |
| LM End | 7.28 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.176861 ° | 38.167959 ° |
| | | | | -121.579747 ° | -121.581616 ° |
| DWR ID | DWR_RD0563_01_s_2016_51 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 1997 - Pocket erosion into the toe of the levee. 2000 - Scallops in banks with small colored flags, biotech rolls present. 2001 - Staked, low fascine walls at bankline. 2003 - Still have visibly bad spots, especially at the upstream end. 2005 - Some new brush bundles in the brush boxes; some with missing bundles. Some boxes too low relative to high tide. 2010 - Site extended upstream. 2011 - Minor new erosion. 2015: Last observed in 2013. [2015 Site ID: GEO_5-3_L] | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_51_20170313_00042.jpg



USACE 2013 Photo #1

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 6.66 | Rating ** | M | Issue No. | 792 |
| LM End | 6.66 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.176465 ° | 38.176465 ° |
| | | | | -121.579615 ° | -121.579615 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:40790 | | | | | |
| DS_ID:20153 | | | | | |
| EP_NO: 11202 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: Pipe appears abandoned and if so should be done so properly. | | | | | |
| FIELD_STRUCT_DESC: 12-inch pipe through the levee 4.5 feet below crown. Vent/filler pipe in 24-inch CMP riser on landward shoulder and a 7'X9' concrete distribution box on LS toe (ABO No. 11202, 1971). | | | | | |
| Originally included in the 1954 O&M manual. | | | | | |
| FS Date: 6/11/2013 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 6.66 | Rating ** | M | Issue No. | 792 (cont) |
| LM End | 6.66 | Issue Type + | En | Location * | WS |

Photo 1 of 3 : UCIP_SP_2017_40790_24633.jpg



7'X9' concrete distribution box on LS toe.

Photo 2 of 3 : UCIP_SP_2017_40790_24632.jpg



24-inch CMP standpipe with vent/filler pipe on LS shoulder.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 6.66 | Rating ** | M | Issue No. | 792 (cont) | |
| LM End | 6.66 | Issue Type + | En | Location * | WS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.176465 ° | 38.176465 ° | |
| | | | | -121.579615 ° | -121.579615 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:40790 | | | | | | |
| DS_ID:20153 | | | | | | |
| EP_NO: 11202 | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Pipe appears abandoned and if so should be done so properly. | | | | | | |
| FIELD_STRUCT_DESC: 12-inch pipe through the levee 4.5 feet below crown. Vent/filler pipe in 24-inch CMP riser on landward shoulder and a 7'X9' concrete distribution box on LS toe (ABO No. 11202, 1971). | | | | | | |
| Originally included in the 1954 O&M manual. | | | | | | |
| FS Date: 6/11/2013 | | | | | | |

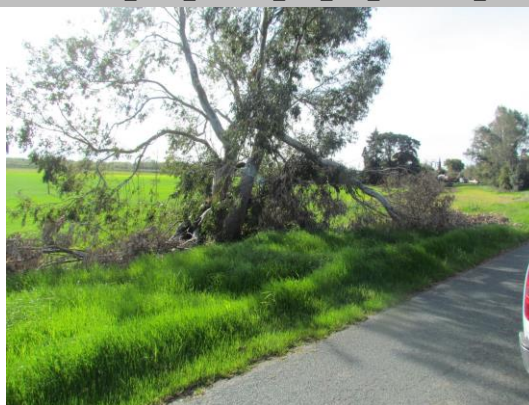
Photo 3 of 3 : UCIP_SP_2017_40790_24631.jpg



Steel walkway support for pipe on WS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.67 | Rating ** | U | Issue No. | 128 |
| LM End | 6.67 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.176387 ° | 38.176387 ° |
| | | | | -121.579670 ° | -121.579670 ° |
| DWR ID | DWR_RD0563_01_s_2017_128 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Broken tree branches and limbs on landward slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_128_20170316_00258.jpg



Looking east at broken tree limbs on landward slope.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.75 | Rating ** | U | Issue No. | 145 |
| LM End | 6.79 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.175219 ° | 38.174743 ° |
| | | | | -121.580053 ° | -121.580016 ° |
| DWR ID | DWR_RD0563_01_s_2014_145 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Untrimmed trees blocking view of landward toe. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_145_20170313_00129.jpg



Looking southeast at dense vegetation on landward slope and toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.80 | Rating ** | U | Issue No. | 75 |
| LM End | 6.87 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.174598 ° | 38.173560 ° |
| | | | | -121.579972 ° | -121.579725 ° |
| DWR ID | DWR_RD0563_01_s_2013_75 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Dense landscaping on landward shoulder,slope and toe. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_75_20170313_00063.jpg

Looking south at dense landscaping on landward shoulder and slope.
(Spring 2016)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.82 | Rating ** | C | Issue No. | 82 |
| LM End | 6.82 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.174235 ° | 38.174235 ° |
| | | | | -121.579898 ° | -121.579898 ° |
| DWR ID | DWR_RD0563_01_s_2012_82 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Broken tree branch on waterward slope. | | | | | |

No Photos

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.89 | Rating ** | M | Issue No. | 87 |
| LM End | 6.89 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.173323 ° | 38.173323 ° |
| | | | | -121.579628 ° | -121.579628 ° |
| DWR ID | DWR_RD0563_01_s_2013_87 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.95 | Rating ** | M | Issue No. | 95 |
| LM End | 6.95 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.172351 ° | 38.172351 ° |
| | | | | -121.579520 ° | -121.579520 ° |
| DWR ID | DWR_RD0563_01_f_2012_95 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Prunings should be burned or removed from waterward slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_95_20170313_00096.jpg



Looking southwest at prunings on waterward slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.04 | Rating ** | M | Issue No. | 793 |
| LM End | 7.04 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.171156 ° | 38.171156 ° |
| | | | | -121.579756 ° | -121.579756 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:14968 | | | | | |
| DS_ID:20154 | | | | | |
| EP_NO: 11214 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Indicator Found | | | | | |
| UCIP Comments: Verify type of abandonment. Wide berm on LS toe with some evidence of steel slide gate in soil at berm. | | | | | |
| FIELD_STRUCT_DESC: 1 of 2: 8-inch pipe through levee 3.7 feet below crown. Siphon breaker on waterward slope (ABO No. 11214, 1971). Originally included in the 1954 O&M manual with the description 1" air and primer valve, reinforced concrete spillbox. | | | | | |
| FS Date: 6/13/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_14968_24637.jpg



Steel parts on LS toe may indicate location of distribution box.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 7.04 | Rating ** | M | Issue No. | 793 (cont) |
| LM End | 7.04 | Issue Type + | En | Location * | WS |

Photo 2 of 3 : UCIP_SP_2017_14968_24636.jpg



Steel parts on LS toe may indicate location of distribution box.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 7.04 | Rating ** | M | Issue No. | 793 (cont) | |
| LM End | 7.04 | Issue Type + | En | Location * | WS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.171156 ° | 38.171156 ° | |
| | | | | -121.579756 ° | -121.579756 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:14968 | | | | | | |
| DS_ID:20154 | | | | | | |
| EP_NO: 11214 | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Indicator Found | | | | | | |
| UCIP Comments: Verify type of abandonment. Wide berm on LS toe with some evidence of steel slide gate in soil at berm. | | | | | | |
| FIELD_STRUCT_DESC: 1 of 2: 8-inch pipe through levee 3.7 feet below crown. Siphon breaker on waterward slope (ABO No. 11214, 1971). Originally included in the 1954 O&M manual with the description 1" air and primer valve, reinforced concrete spillbox. | | | | | | |
| FS Date: 6/13/2013 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_14968_24635.jpg



Wide berm on LS toe.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.06 | Rating ** | U | Issue No. | 151 |
| LM End | 7.14 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.170827 ° | 38.169705 ° |
| | | | | -121.579902 ° | -121.580355 ° |
| DWR ID | DWR_RD0563_01_f_2014_151 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Dense berryvines at landward toe. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_151_20170313_00133.jpg



Looking southeast at dense vegetation at landward toe.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.36 | Rating ** | M | Issue No. | 794 |
| LM End | 7.36 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.166832 ° | 38.166832 ° |
| | | | | -121.582112 ° | -121.582112 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:42743
DS_ID:20155
EP_NO: 11214
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Good candidate for video inspection.
FIELD_STRUCT_DESC: 2 of 2: 24-inch steel irrigation siphon through the levee 0.5-feet below the crown. Vent and filler pipe on landward slope (ABO No. 11214, 1971). Originally included in the 1954 O&M manual.
FS Date: 6/13/2013

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 7.36 | Rating ** | M | Issue No. | 794 (cont) |
| LM End | 7.36 | Issue Type + | En | Location * | LS |

Photo 1 of 2 : UCIP_SP_2017_42743_24641.jpg



Pipe visible on WS slope.

Photo 2 of 2 : UCIP_SP_2017_42743_24640.jpg



Pipe, vent, and filler valve on LS shoulder.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.42 | Rating ** | U | Issue No. | 27 |
| LM End | 7.47 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.165981 ° | 38.165273 ° |
| | | | | -121.582394 ° | -121.582593 ° |
| DWR ID | DWR_RD0563_01_s_2015_27 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Dense vegetation at landward toe. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_27_20170313_00023.jpg



Looking southeast at dense vegetation within landward right away.

| | | | | | |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.53 | Rating ** | U | Issue No. | 53 |
| LM End | 7.80 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.164462 ° | 38.160888 ° |
| | | | | -121.583092 ° | -121.584807 ° |
| DWR ID | DWR_RD0563_01_s_2016_53 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 1997 - Pocket erosion at upstream end and into the levee toe under the Alder trees. 2003 - New brush boxes with wattles on bank. 2004 - No brush boxes. 2005 - Site extended from the downstream side of the bridge. Whole bank is vertical. 2010 - Some minor new erosion. 2011 - Site upgraded to CRITICAL. New erosion pockets throughout the site. Sites 4.5, and 4.6 were combined. 2015: Last observed in 2013. [2015 Site ID: GEO_4-5_L] | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_53_20170313_00043.jpg



USACE 2013 Photo #1

| | | | | | |
|---|--|--|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|--|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.62 | Rating ** | M | Issue No. | 97 |
| LM End | 7.62 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.163240 ° | 38.163240 ° |
| | | | | -121.583328 ° | -121.583328 ° |
| DWR ID | DWR_RD0563_01_s_2013_97 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| Minor erosion on landside shoulder and slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_97_20170313_00098.jpg



Looking east at slope erosion on landward shoulder and slope.

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.72 | Rating ** | M | Issue No. | 795 |
| LM End | 7.72 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.161873 ° | 38.161873 ° |
| | | | | -121.584109 ° | -121.584109 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:16304 DS_ID:20185 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slight depression in crown along pipe alignment may be indication of pipe internal failure. Good candidate for video inspection. FIELD_STRUCT_DESC: 14-inch pipe through levee 5.1 feet below crown. Originally included in the 1954 O&M manual. FS Date: 6/13/2013 | | | | | |

Photo 1 of 2 : UCIP_SP_2017_16304_27464.jpg



Pipe visible on WS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 7.72 | Rating ** | M | Issue No. | 795 (cont) | |
| LM End | 7.72 | Issue Type + | En | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.161873 ° | 38.161873 ° | |
| | | | | -121.584109 ° | -121.584109 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:16304 | | | | | | |
| DS_ID:20185 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Slight depression in crown along pipe alignment may be indication of pipe internal failure. Good candidate for video inspection. | | | | | | |
| FIELD_STRUCT_DESC: 14-inch pipe through levee 5.1 feet below crown. Originally included in the 1954 O&M manual. | | | | | | |
| FS Date: 6/13/2013 | | | | | | |

Photo 2 of 2 : UCIP_SP_2017_16304_27463.jpg



Pipe visible on WS toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.74 | Rating ** | M | Issue No. | 29 |
| LM End | 7.78 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.161607 ° | 38.161092 ° |
| | | | | -121.584258 ° | -121.584470 ° |
| DWR ID | DWR_RD0563_01_s_2012_29 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Dense (untrimmed) trees on landward slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_29_20170313_00025.jpg



Looking southeast at dense trees on landward slope and toe.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.79 | Rating ** | C | Issue No. | 165 |
| LM End | 7.79 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.160997 ° | 38.160997 ° |
| | | | | -121.584539 ° | -121.584539 ° |
| DWR ID | DWR_RD0563_01_s_2016_165 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Dead tree branch on waterward slope. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.80 | Rating ** | U | Issue No. | 90 |
| LM End | 7.82 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.160800 ° | 38.160487 ° |
| | | | | -121.584598 ° | -121.584717 ° |
| DWR ID | DWR_RD0563_01_s_2012_90 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Berryvines and willows on landside toe. | | | | | |

Photo 1 of 5 : SP_2017_RD0563_210_90_20170313_00087.jpg



Looking southeast at dense vegetation at landward toe. (Spring 2015)

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 7.80 | Rating ** | U | Issue No. | 90 (cont) |
| LM End | 7.82 | Issue Type + | Ma | Location * | LS |

Photo 2 of 5 : SP_2017_RD0563_210_90_20170313_00088.jpg



Looking northeast at dense vegetation on landside toe.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 7.80 | Rating ** | U | Issue No. | 90 (cont) | |
| LM End | 7.82 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.160800 ° | | 38.160487 ° |
| | | | | -121.584598 ° | | -121.584717 ° |
| DWR ID | DWR_RD0563_01_s_2012_90 | | | | | |
| Comment Code | | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | | |
| Inspector Comment | | | | | | |
| Berryvines and willows on landside toe. | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 7.80 | Rating ** | U | Issue No. | 90 (cont) |
| LM End | 7.82 | Issue Type + | Ma | Location * | LS |

Photo 3 of 5 : SP_2017_RD0563_210_90_20170313_00089.jpg



Looking south at dense vegetation on landside toe. (2012 Fall Inspection)

Photo 4 of 5 : SP_2017_RD0563_210_90_20170313_00090.jpg



Looking northeast at dense vegetation on landside toe. (2012 Fall Inspection)

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 7.80 | Rating ** | U | Issue No. | 90 (cont) |
| LM End | 7.82 | Issue Type + | Ma | Location * | LS |

Photo 5 of 5 : SP_2017_RD0563_210_90_20170313_00091.jpg



Looking southwest at dense vegetation on landside toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.85 | Rating ** | M | Issue No. | 13 |
| LM End | 8.05 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.160261 ° | 38.157625 ° |
| | | | | -121.585056 ° | -121.586543 ° |
| DWR ID | DWR_RD0563_01_s_2016_13 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 1997 - Pockets of erosion into the levee toe. 1999 - Minor rock riprap and willow bundles place in a couple of spots. 2001 - Staked, low fascine walls at bankline. 2003 - Small unprotected pockets still eroding. 2004 - Numerous brush boxes, some falling apart, some with new bundles. 2005 - Some new brush boxes installed; some boxes are empty. Levee slope and banks still look bad with pocket scallops into the levee slopes. 2011 - Erosion continues and the number of pockets is increasing. 2013 - Some of the downstream end was repaired by the RD. 2015: Last observed in 2013. [2015 Site ID: GEO_4-3_L] | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_13_20170313_00014.jpg



USACE 2013 Photo #1

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.92 | Rating ** | M | Issue No. | 796 |
| LM End | 7.92 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.159207 ° | 38.159207 ° |
| | | | | -121.585304 ° | -121.585304 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:16263 DS_ID:23973 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to determine disposition of all gas lines in this immediate area. FIELD_STRUCT_DESC: Gas line marker on WS shoulder. Pipe through the levee at unknown depth below the crown. FS Date: 6/13/2013 | | | | | |

Photo 1 of 2 : UCIP_SP_2017_16263_27401.jpg



Sign on WS shoulder.

| | | | | | |
|---|--|--|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|--|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.92 | Rating ** | M | Issue No. | 796 (cont) |
| LM End | 7.92 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.159207 ° | 38.159207 ° |
| | | | | -121.585304 ° | -121.585304 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:16263 DS_ID:23973 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to determine disposition of all gas lines in this immediate area. FIELD_STRUCT_DESC: Gas line marker on WS shoulder. Pipe through the levee at unknown depth below the crown. FS Date: 6/13/2013 | | | | | |

Photo 2 of 2 : UCIP_SP_2017_16263_27400.jpg



Sign on WS shoulder.

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.92 | Rating ** | M | Issue No. | 797 |
| LM End | 7.92 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.159148 ° | 38.159148 ° |
| | | | | -121.585329 ° | -121.585329 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:16265 DS_ID:23974 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine disposition of all gaslines in this immediate area. FIELD_STRUCT_DESC: Gas line marker on WS shoulder. Pipe through the levee at unknown depth below the crown. FS Date: 6/13/2013 | | | | | |

Photo 1 of 2 : UCIP_SP_2017_16265_27407.jpg



Sign on WS shoulder.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.92 | Rating ** | M | Issue No. | 797 (cont) |
| LM End | 7.92 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.159148 ° | 38.159148 ° |
| | | | | -121.585329 ° | -121.585329 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:16265 DS_ID:23974 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine disposition of all gaslines in this immediate area. FIELD_STRUCT_DESC: Gas line marker on WS shoulder. Pipe through the levee at unknown depth below the crown. FS Date: 6/13/2013 | | | | | |

Photo 2 of 2 : UCIP_SP_2017_16265_27406.jpg



Sign on WS shoulder.

| | | | | | |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.12 | Rating ** | M | Issue No. | 40 |
| LM End | 8.59 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.156987 ° | 38.152919 ° |
| | | | | -121.587427 ° | -121.591129 ° |
| DWR ID | DWR_RD0563_01_s_2016_40 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 1997 - Pockets of erosion into the levee at the water line. Alders are being undercut and rotating out into the channel. Damaged rock at upstream end. 2000 - New minor erosion. 2001 - Staked low fascine walls at bankline. 2002 - New "Brush Boxes" along the bank toe. 2003 - New erosion pockets in the middle of the site. 2005 - Some new bundles in the brush boxes. 2011 - Site upgraded to CRITICAL. Significant new erosion. Sites 3.6, 3.7, 3.71, and 4.0 were combined. 2012 - Rock has been placed in some of the erosion pockets since last year, however site remains critical. 2013 - Site no longer critical. The worst pockets were filled with rock by the local RD. 2015: Last observed in 2013. [2015 Site ID: GEO_3-8_L] | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_40_20170313_00033.jpg



USACE 2013 Photo #1

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 8.13 | Rating ** | M | Issue No. | 798 |
| LM End | 8.13 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.156884 ° | 38.156884 ° |
| | | | | -121.587464 ° | -121.587464 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:14988 DS_ID:20160 EP_NO: 9145 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection. Erosion in levee adjacent to pipe. FIELD_STRUCT_DESC: 2 of 2: 16-inch pipe through levee 3.0 feet below crown. 14-inch steel irrigation siphon sleeved through the 16-inch pipe with annular space grouted. Air vent/filler pipe on LS shoulder with and a slide gate in a 48-inch steel standpipe on the LS toe (ABO No. 9145, 1973). Originally included in the 1954 O&M manual. FS Date: 6/13/2013 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 8.13 | Rating ** | M | Issue No. | 798 (cont) |
| LM End | 8.13 | Issue Type + | En | Location * | WS |

Photo 1 of 3 : UCIP_SP_2017_14988_24670.jpg



air vent/filler pipe on LS shoulder.

Photo 2 of 3 : UCIP_SP_2017_14988_24669.jpg



Slide gate in steel riser on LS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 8.13 | Rating ** | M | Issue No. | 798 (cont) |
| LM End | 8.13 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.156884 ° | 38.156884 ° |
| | | | | -121.587464 ° | -121.587464 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:14988 DS_ID:20160 EP_NO: 9145 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection. Erosion in levee adjacent to pipe. FIELD_STRUCT_DESC: 2 of 2: 16-inch pipe through levee 3.0 feet below crown. 14-inch steel irrigation siphon sleeved through the 16-inch pipe with annular space grouted. Air vent/filler pipe on LS shoulder with and a slide gate in a 48-inch steel standpipe on the LS toe (ABO No. 9145, 1973). Originally included in the 1954 O&M manual. FS Date: 6/13/2013 | | | | | |

Photo 3 of 3 : UCIP_SP_2017_14988_24668.jpg



Pipe visible on WS toe.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.18 | Rating ** | U | Issue No. | 767 |
| LM End | 8.18 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.156878 ° | 38.156878 ° |
| | | | | -121.588505 ° | -121.588505 ° |
| DWR ID | DWR_RD0563_01_s_2015_767 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Dead dense vegetation blocking landward toe. | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_767_20170316_00259.jpg



Looking south at dead vines at landward toe. (Spring 2017)

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|--------------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 8.18 | Rating ** | U | Issue No. | 767 (cont) | |
| LM End | 8.18 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.156878 ° | | 38.156878 ° |
| | | | | -121.588505 ° | | -121.588505 ° |
| DWR ID | DWR_RD0563_01_s_2015_767 | | | | | |
| Comment Code | | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | | |
| Inspector Comment | | | | | | |
| Dead dense vegetation blocking landward toe. | | | | | | |

Photo 2 of 2 : SP_2017_RD0563_210_767_20170313_00151.jpg



Looking east at dense wild vines at landward toe. (Fall 2016)

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.38 | Rating ** | U | Issue No. | 31 |
| LM End | 8.41 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.155974 ° | 38.155543 ° |
| | | | | -121.591452 ° | -121.591595 ° |
| DWR ID | DWR_RD0563_01_s_2012_31 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_31_20170313_00026.jpg



Looking southeast at untrimmed trees on landward slope and toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Reclamation District No. 0563 Tyler Island

Pipe visibel behind trees on WS toe.

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Reclamation District No. 0563 Tyler Island

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 8.88 | Rating ** | M | Issue No. | 800 (cont) | |
| LM End | 8.88 | Issue Type + | En | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.150420 ° | | 38.150420 ° |
| | | | | -121.586840 ° | | -121.586840 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:16292 | | | | | | |
| DS_ID:20163 | | | | | | |
| EP_NO: 11217 | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Appears abandoned and should be done so properly. Slide gate broken. | | | | | | |
| FIELD_STRUCT_DESC: 3 of 11: 14-inch pipe through the levee 4.2 feet below the crown. Vent/filler pipe on landward shoulder. Slide gate in 7’X9’ concrete distribution box on LS toe (ABO No.11217, 1971). Originally included in the 1954 O&M manual. | | | | | | |
| FS Date: 6/13/2013 | | | | | | |

Photo 2 of 3 : UCIP_SP_2017_16292_27452.jpg



Concrete distribution box at LS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 8.88 | Rating ** | M | Issue No. | 800 (cont) |
| LM End | 8.88 | Issue Type + | En | Location * | LS |

Photo 3 of 3 : UCIP_SP_2017_16292_27451.jpg



Broken slide gate in 7'X9' concrete distribution box on LS toe.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.04 | Rating ** | C | Issue No. | 166 |
| LM End | 11.99 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 38.148174 ° | 38.130734 ° |
| | | | | -121.586156 ° | -121.579887 ° |
| DWR ID | DWR_RD0563_01_s_2016_166 | | | | |
| Comment Code | | | | | |
| C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.25 | Rating ** | M | Issue No. | 106 |
| LM End | 9.25 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.145909 ° | 38.145909 ° |
| | | | | -121.588198 ° | -121.588198 ° |
| DWR ID | DWR_RD0563_01_f_2013_106 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.25 | Rating ** | U | Issue No. | 768 |
| LM End | 9.25 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.145897 ° | 38.145897 ° |
| | | | | -121.588203 ° | -121.588203 ° |
| DWR ID | DWR_RD0563_01_s_2015_768 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_768_20170313_00152.jpg



Looking at untrimmed tree on landward slope.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
| | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.28 | Rating ** | U | Issue No. | 98 |
| LM End | 9.28 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.145825 ° | 38.145825 ° |
| | | | | -121.588807 ° | -121.588807 ° |
| DWR ID | DWR_RD0563_01_s_2013_98 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_98_20170313_00099.jpg



Looking southeast at untrimmed trees on landward slope.

| | | | | | |
|-------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.33 | Rating ** | U | Issue No. | 73 |
| LM End | 9.33 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.145957 ° | 38.145957 ° |
| | | | | -121.589653 ° | -121.589653 ° |
| DWR ID | DWR_RD0563_01_s_2012_73 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Large pruning pile on landward toe. | | | | | |

Photo 1 of 3 : SP_2017_RD0563_210_73_20170316_00260.jpg



Looking east at large pruning piles at landward toe. (Spring 2017)

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 9.33 | Rating ** | U | Issue No. | 73 (cont) |
| LM End | 9.33 | Issue Type + | En | Location * | LS |

Photo 2 of 3 : SP_2017_RD0563_210_73_20170313_00057.jpg



Looking east at prunings at landward toe. (Spring 2015)

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|-------------------------------------|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 9.33 | Rating ** | U | Issue No. | 73 (cont) | |
| LM End | 9.33 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.145957 ° | | 38.145957 ° |
| | | | | -121.589653 ° | | -121.589653 ° |
| DWR ID | DWR_RD0563_01_s_2012_73 | | | | | |
| Comment Code | | | | | | |
| PR : Prunings | | | | | | |
| Inspector Comment | | | | | | |
| Large pruning pile on landward toe. | | | | | | |

Photo 3 of 3 : SP_2017_RD0563_210_73_20170313_00058.jpg



Looking east at prunings on landward slope. (Spring 2013)

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.36 | Rating ** | U | Issue No. | 769 |
| LM End | 9.43 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.146276 ° | 38.147034 ° |
| | | | | -121.590189 ° | -121.590907 ° |
| DWR ID | DWR_RD0563_01_s_2015_769 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_769_20170313_00153.jpg



Looking east at dense vegetation at landward toe. (Spring 2015)

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 9.56 | Rating ** | M | Issue No. | 801 |
| LM End | 9.56 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.148741 ° | 38.148741 ° |
| | | | | -121.592048 ° | -121.592048 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:16268 | | | | | |
| DS_ID:20166 | | | | | |
| EP_NO: 11217 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: Appears abandoned as stand pipe is partially filled with soil. Abandon properly. No pictures taken. | | | | | |
| FIELD_STRUCT_DESC: 6 of 11: 10-inch pipe through levee 3.8 feet below crown. Vent/filler pipe on LS shoulder. 4-foot diameter concrete standpipe on LS toe (ABO No. 11217, 1971). Originally included in the 1954 O&M manual. | | | | | |
| FS Date: 6/13/2013 | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.64 | Rating ** | M | Issue No. | 36 |
| LM End | 9.64 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.149790 ° | 38.149790 ° |
| | | | | -121.592788 ° | -121.592788 ° |
| DWR ID | DWR_RD0563_01_s_2012_36 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| Vegetation blocking view of levee slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_36_20170313_00030.jpg



Looking south at elderberry on landward slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.65 | Rating ** | M | Issue No. | 99 |
| LM End | 9.65 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.149905 ° | 38.149905 ° |
| | | | | -121.592910 ° | -121.592910 ° |
| DWR ID | DWR_RD0563_01_s_2013_99 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| Finger erosion on landward shoulder and slope. | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_99_20170313_00100.jpg



Looking west at minor erosion on landward shoulder and slope.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 9.65 | Rating ** | M | Issue No. | 99 (cont) |
| LM End | 9.65 | Issue Type + | Ma | Location * | LS |

Photo 2 of 2 : SP_2017_RD0563_210_99_20170313_00101.jpg



Looking north at minor erosion on landward shoulder and slope.

| | | | | | |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.73 | Rating ** | M | Issue No. | 41 |
| LM End | 9.90 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.150820 ° | 38.150647 ° |
| | | | | -121.593650 ° | -121.596858 ° |
| DWR ID | DWR_RD0563_01_s_2016_41 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 1997 - Erosion pockets into the toe of the levee. 2001 - Staked low fascine walls at the bankline. 2004 - Numerous "Brush Boxes." 2005 - Some new bundles in the brush boxes. 2012 - Site extended downstream to account for new bank sloughing. 2013 - Some rock added to the upstream end by the local RD. 2015: Last observed in 2013. [2015 Site ID: GEO_2-5_L] | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_41_20170313_00034.jpg



USACE 2013 Photo #1

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.45 | Rating ** | M | Issue No. | 43 |
| LM End | 10.74 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.143519 ° | 38.139918 ° |
| | | | | -121.599677 ° | -121.596986 ° |
| DWR ID | DWR_RD0563_01_s_2016_43 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 1997 - Old damaged rock riprap along the toe. 1999 - Downstream end (400 ft) repaired with rock. 2002 - New rock/concrete rubble section on the downstream end. 2004 - Small pocket repairs at the downstream end. 2005 - Some new bundles in the brush boxes. 2012 - Some rock has been placed in last year. 2015: Last observed in 2013. [2015 Site ID: GEO_1-7_L] | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_43_20170313_00036.jpg



USACE 2013 Photo #1

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.54 | Rating ** | U | Issue No. | 77 |
| LM End | 10.64 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.142537 ° | 38.141362 ° |
| | | | | -121.598535 ° | -121.597598 ° |
| DWR ID | DWR_RD0563_01_s_2012_77 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent holes and rodents noted at this site. | | | | | |

Photo 1 of 5 : SP_2017_RD0563_210_77_20170313_00068.jpg



Looking at typical rodent hole on landward slope. (Spring 2016)

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 10.54 | Rating ** | U | Issue No. | 77 (cont) |
| LM End | 10.64 | Issue Type + | Ma | Location * | LS |

Photo 2 of 5 : SP_2017_RD0563_210_77_20170313_00069.jpg



Looking southeast at several rodent holes on landward slope.

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|---|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 10.54 | Rating ** | U | Issue No. | 77 (cont) | |
| LM End | 10.64 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Animal Control | | | 38.142537 ° | | 38.141362 ° |
| | | | | -121.598535 ° | | -121.597598 ° |
| DWR ID | DWR_RD0563_01_s_2012_77 | | | | | |
| Comment Code | | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | | |
| Inspector Comment | | | | | | |
| Several rodent holes and rodents noted at this site. | | | | | | |

Photo 3 of 5 : SP_2017_RD0563_210_77_20170313_00070.jpg



Looking south at several rodent holes on landward slope.

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 10.54 | Rating ** | U | Issue No. | 77 (cont) |
| LM End | 10.64 | Issue Type + | Ma | Location * | LS |

Photo 4 of 5 : SP_2017_RD0563_210_77_20170313_00071.jpg



Looking at typical rodent holes on landward slope.

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 10.54 | Rating ** | U | Issue No. | 77 (cont) |
| LM End | 10.64 | Issue Type + | Ma | Location * | LS |

Photo 5 of 5 : SP_2017_RD0563_210_77_20170316_00261.jpg



Looking at typical rodent hole along this reach. (Spring 2017)

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.59 | Rating ** | M | Issue No. | 76 |
| LM End | 10.59 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.141940 ° | 38.141940 ° |
| | | | | -121.598033 ° | -121.598033 ° |
| DWR ID | DWR_RD0563_01_s_2012_76 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| Deep depression on landside shoulder and slope; possible pipe collapse. | | | | | |

Photo 1 of 4 : SP_2017_RD0563_210_76_20170313_00064.jpg



Looking northeast a depression on landside shoulder and slope above 10" irrigation pipe four feet below crown.

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 10.59 | Rating ** | M | Issue No. | 76 (cont) |
| LM End | 10.59 | Issue Type + | Ma | Location * | LS |

Photo 2 of 4 : SP_2017_RD0563_210_76_20170313_00065.jpg



Looking east at water ponding at landside toe just above 10" irrigation pipe.

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 10.59 | Rating ** | M | Issue No. | 76 (cont) |
| LM End | 10.59 | Issue Type + | Ma | Location * | LS |

Photo 3 of 4 : SP_2017_RD0563_210_76_20170313_00066.jpg



Looking west at depression on landside shoulder and slope from landside toe.

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|---|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 10.59 | Rating ** | M | Issue No. | 76 (cont) | |
| LM End | 10.59 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Slope Stability | | | 38.141940 ° | | 38.141940 ° |
| | | | | -121.598033 ° | | -121.598033 ° |
| DWR ID | DWR_RD0563_01_s_2012_76 | | | | | |
| Comment Code | | | | | | |
| S1 : Repair slope instability. | | | | | | |
| Inspector Comment | | | | | | |
| Deep depression on landside shoulder and slope; possible pipe collapse. | | | | | | |

Photo 4 of 4 : SP_2017_RD0563_210_76_20170313_00067.jpg



Looking west at depression on landside shoulder and slope.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.67 | Rating ** | U | Issue No. | 100 |
| LM End | 10.81 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.140886 ° | 38.139079 ° |
| | | | | -121.597280 ° | -121.596214 ° |
| DWR ID | DWR_RD0563_01_s_2013_100 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Wild rose or grape vines on landward slope and toe. | | | | | |

Photo 1 of 3 : SP_2017_RD0563_210_100_20170313_00102.jpg



Looking northeast at dense vegetation at landward toe. (Spring 2015)

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 10.67 | Rating ** | U | Issue No. | 100 (cont) |
| LM End | 10.81 | Issue Type + | Ma | Location * | LS |

Photo 2 of 3 : SP_2017_RD0563_210_100_20170313_00103.jpg



Looking south at dense vegetation at landward toe. (Fall 2014)

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|--------------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 10.67 | Rating ** | U | Issue No. | 100 (cont) | |
| LM End | 10.81 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.140886 ° | | 38.139079 ° |
| | | | | -121.597280 ° | | -121.596214 ° |
| DWR ID | DWR_RD0563_01_s_2013_100 | | | | | |
| Comment Code | | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | | |
| Inspector Comment | | | | | | |
| Wild rose or grape vines on landward slope and toe. | | | | | | |

Photo 3 of 3 : SP_2017_RD0563_210_100_20170313_00104.jpg



Looking south at additional dense vegetation at landward toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.74 | Rating ** | M | Issue No. | 172 |
| LM End | 10.74 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.139994 ° | 38.139994 ° |
| | | | | -121.596717 ° | -121.596717 ° |
| DWR ID | DWR_RD0563_01_f_2016_172 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Rodent hole on levee shoulder. | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 10.99 | Rating ** | M | Issue No. | 802 |
| LM End | 10.99 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.136937 ° | 38.136937 ° |
| | | | | -121.594521 ° | -121.594521 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:15002
DS_ID:20170
EP_NO: 11217
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pipe does not have appropriate clearance at Levee crown.
FIELD_STRUCT_DESC: 9 of 11: 16-inch steel irrigation siphon pipe through the levee 1-foot below the crown. Air vent/filler pipe on LS shoulder. Slide gate in 5-foot diameter steel standpipe on LS toe (ABO No. 11217, 1971). Originally included in the 1954 O&M manual.
FS Date: 6/13/2013

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 10.99 | Rating ** | M | Issue No. | 802 (cont) |
| LM End | 10.99 | Issue Type + | En | Location * | WS |

Photo 1 of 3 : UCIP_SP_2017_15002_24691.jpg



Vent/filler on pipe at LS shoulder.

Photo 2 of 3 : UCIP_SP_2017_15002_24690.jpg



slide gate in steel riser on LS toe.

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
| N/A : Not Applicable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 10.99 | Rating ** | M | Issue No. | 802 (cont) |
| LM End | 10.99 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.136937 ° | 38.136937 ° |
| | | | | -121.594521 ° | -121.594521 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:15002 | | | | | |
| DS_ID:20170 | | | | | |
| EP_NO: 11217 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: Pipe does not have appropriate clearance at Levee crown. | | | | | |
| FIELD_STRUCT_DESC: 9 of 11: 16-inch steel irrigation siphon pipe through the levee 1-foot below the crown. Air vent/filler pipe on LS shoulder. Slide gate in 5-foot diameter steel standpipe on LS toe (ABO No. 11217, 1971). Originally included in the 1954 O&M manual. | | | | | |
| FS Date: 6/13/2013 | | | | | |

Photo 3 of 3 : UCIP_SP_2017_15002_24689.jpg



Pipe visible on WS toe.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.01 | Rating ** | U | Issue No. | 770 |
| LM End | 12.00 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.136623 ° | 38.130739 ° |
| | | | | -121.594216 ° | -121.579678 ° |
| DWR ID | DWR_RD0563_01_s_2015_770 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Dead dense veg (wildroses) at landward toe. | | | | | |

Photo 1 of 2 : SP_2017_RD0563_210_770_20170316_00262.jpg



Looking northeast at dead vines at landward toe. (Spring 2017)

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|--------------------------|--------------|----|------------------------|------------|---------------|
| LM Start | 11.01 | Rating ** | U | Issue No. | 770 (cont) | |
| LM End | 12.00 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.136623 ° | | 38.130739 ° |
| | | | | -121.594216 ° | | -121.579678 ° |
| DWR ID | DWR_RD0563_01_s_2015_770 | | | | | |
| Comment Code | | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | | |
| Inspector Comment | | | | | | |
| Dead dense veg (wildroses) at landward toe. | | | | | | |

Photo 2 of 2 : SP_2017_RD0563_210_770_20170313_00154.jpg



Looking southeast at dense vegetation at landward toe. (Spring 2015)

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.45 | Rating ** | M | Issue No. | 91 |
| LM End | 11.45 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.131943 ° | 38.131943 ° |
| | | | | -121.588912 ° | -121.588912 ° |
| DWR ID | DWR_RD0563_01_s_2012_91 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 3 : SP_2017_RD0563_210_91_20170313_00092.jpg



Looking east at rodent hole on landside slope.

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 11.45 | Rating ** | M | Issue No. | 91 (cont) |
| LM End | 11.45 | Issue Type + | Ma | Location * | LS |

Photo 2 of 3 : SP_2017_RD0563_210_91_20170313_00093.jpg



Looking west at rodent hole on landside slope.

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|---|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 11.45 | Rating ** | M | Issue No. | 91 (cont) | |
| LM End | 11.45 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Animal Control | | | 38.131943 ° | | 38.131943 ° |
| | | | | -121.588912 ° | | -121.588912 ° |
| DWR ID | DWR_RD0563_01_s_2012_91 | | | | | |
| Comment Code | | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

Photo 3 of 3 : SP_2017_RD0563_210_91_20170313_00094.jpg



Looking south at rodent holes on landside slope.

| | | | | | |
|--|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.51 | Rating ** | M | Issue No. | 42 |
| LM End | 11.86 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.131126 ° | 38.130368 ° |
| | | | | -121.588337 ° | -121.582266 ° |
| DWR ID | DWR_RD0563_01_s_2016_42 | | | | |
| Comment Code | | | | | |
| | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 1997 - Erosion pockets into the levee toe. 1999 - Some small pockets fixed with rock riprap. 2002 - New "brush boxes" along the bank toe. 2005 - Brush boxes are empty. Some pockets are filled with new stone. 2006 - Some new rock at the downstream end (~100 ft long). Several small pockets of new rock in scallops. Brush boxes in poor to fair condition. 2010 - Site looks a little worse, some toe rock but still has erosion scars at lower to mid slope. 2011 - Site upgraded to CRITICAL. Significant new erosion. Erosion scallops are vertical and almost the height of the levee. 2012 - Rock has been placed in some of the erosion scallops and therefore the site is no longer critical. 2013 - Site shortened site. The downstream half of site was repaired by RD. Pipe no longer in site limits. 2015: Last observed in 2013. [2015 Site ID: GEO_0-3_L] | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_42_20170313_00035.jpg



USACE 2013 Photo #1

| | | | | | |
|---|--|--|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|--|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 11.76 | Rating ** | M | Issue No. | 803 |
| LM End | 11.76 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.130291 ° | 38.130291 ° |
| | | | | -121.583981 ° | -121.583981 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:15004 | | | | | |
| DS_ID:20174 | | | | | |
| EP_NO: 11217 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: Pipe appears abandoned and should be done so properly. | | | | | |
| FIELD_STRUCT_DESC: 11 of 11: 12-inch steel irrigation siphon pipe through the levee 4.5 feet below the crown. Air vent on landward shoulder and slide gate in 7'X9' concrete distribution box at LS toe (ABO No. 11217, 1971). Originally included in the 1954 O&M manual. | | | | | |
| FS Date: 6/13/2013 | | | | | |

| | | | | | |
|----------|-------|--------------|----|------------|------------|
| LM Start | 11.76 | Rating ** | M | Issue No. | 803 (cont) |
| LM End | 11.76 | Issue Type + | En | Location * | WS |

Photo 1 of 3 : UCIP_SP_2017_15004_24705.jpg



Vent and distribution box visible on LS.

Photo 2 of 3 : UCIP_SP_2017_15004_24704.jpg



Distribution box and slide gate visible on LS toe.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 11.76 | Rating ** | M | Issue No. | 803 (cont) | |
| LM End | 11.76 | Issue Type + | En | Location * | WS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.130291 ° | 38.130291 ° | |
| | | | | -121.583981 ° | -121.583981 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:15004 | | | | | | |
| DS_ID:20174 | | | | | | |
| EP_NO: 11217 | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Pipe appears abandoned and should be done so properly. | | | | | | |
| FIELD_STRUCT_DESC: 11 of 11: 12-inch steel irrigation siphon pipe through the levee 4.5 feet below the crown. Air vent on landward shoulder and slide gate in 7'X9' concrete distribution box at LS toe (ABO No. 11217, 1971). Originally included in the 1954 O&M manual. | | | | | | |
| FS Date: 6/13/2013 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_15004_24703.jpg



Pipe visible on WS toe.

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 12.00 | Rating ** | A/W | Issue No. | 804 |
| LM End | 12.00 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 38.130726 ° | 38.130726 ° |
| | | | | -121.579646 ° | -121.579646 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:15027 | | | | | |
| DS_ID:20172 | | | | | |
| EP_NO: 11213 | | | | | |
| Repair Type: No Action Needed | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: | | | | | |
| FIELD_STRUCT_DESC: 20-inch steel drain pipe through the levee 1.0-foot below the crown. Pump on landward side. Siphon breaker on waterward shoulder (ABO No. 11213, 1971). Originally included in the 1954 O&M manual. | | | | | |
| FS Date: 6/13/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_15027_24731.jpg



Pump and pipes off LS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 12.00 | Rating ** | A/W | Issue No. | 804 (cont) |
| LM End | 12.00 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 38.130726 ° | 38.130726 ° |
| | | | | -121.579646 ° | -121.579646 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:15027 DS_ID:20172 EP_NO: 11213 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 20-inch steel drain pipe through the levee 1.0-foot below the crown. Pump on landward side. Siphon breaker on waterward shoulder (ABO No. 11213, 1971). Originally included in the 1954 O&M manual. FS Date: 6/13/2013 | | | | | |

Photo 2 of 3 : UCIP_SP_2017_15027_24730.jpg



20-inch pipe on LS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|-------------------|
| LM Start | 12.00 | Rating ** | A/W | Issue No. | 804 (cont) |
| LM End | 12.00 | Issue Type + | Ma | Location * | WS |

Photo 3 of 3 : UCIP_SP_2017_15027_24729.jpg



Pipe and siphon breaker on WS shoulder.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.00 | Rating ** | M | Issue No. | 805 |
| LM End | 12.00 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 38.130730 ° | 38.130730 ° |
| | | | | -121.579616 ° | -121.579616 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:15028 | | | | | |
| DS_ID:20182 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: Verify pipe is properly abandoned. | | | | | |
| FIELD_STRUCT_DESC: *REMOVED* 1 of 2: 36-inch pipe through the | | | | | |
| levee 4-feet below the crown. Shut-off valve at pump. Pipe visible on | | | | | |
| WS at headwall. Originally included in the 1954 O&M manual. | | | | | |
| Replaced by a 30-inch pipe under Permit No. 2635. | | | | | |
| FS Date: 6/13/2013 | | | | | |

Photo 1 of 2 : UCIP_SP_2017_15028_24736.jpg



Pipe at concrete headwall on WS slope.

| | | | | | |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | 12.00 | Rating ** | M | Issue No. | 805 (cont) |
| LM End | 12.00 | Issue Type + | Ma | Location * | WS |

Photo 2 of 2 : UCIP_SP_2017_15028_24735.jpg



Pipe at concrete headwall on WS slope.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0563 Tyler Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|--------------------|
| Unit No. 01 Georgiana Slough (Tyler Island) | Left | 12.11 | 03/14/2017 03/16/2017 | Richard Willoughby |

| | | | | | |
|--------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.03 | Rating ** | M | Issue No. | 107 |
| LM End | 12.03 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.130776 ° | 38.130776 ° |
| | | | | -121.579063 ° | -121.579063 ° |
| DWR ID | DWR_RD0563_01_f_2013_107 | | | | |
| Comment Code | | | | | |
| GA : Garbage | | | | | |
| Inspector Comment | | | | | |
| Garbage on waterward shoulder. | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_107_20170316_00263.jpg



Looking southeast at garbage on waterward shoulder and slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.04 | Rating ** | M | Issue No. | 47 |
| LM End | 12.04 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.130758 ° | 38.130758 ° |
| | | | | -121.579027 ° | -121.579027 ° |
| DWR ID | DWR_RD0563_01_s_2012_47 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2017_RD0563_210_47_20170313_00040.jpg



Looking east at untrimmed tree at landward slope. (Spring 2015)

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|